

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> Novel Human Polynucleotides and the Polypeptides
Encoded Thereby

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<211> 176
<212> DNA
<213> Homo sapiens

<400> 26
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agccttgaag atggggaaac tgaggctcaa ggaaggcatg taaacagcaa cctcgggatt 120
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<211> 104
<212> DNA
<213> Homo sapiens

<400> 27

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 acatggacac ttatacagc atttttctca ataaaagtga cacc 104

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 <213> Homo sapiens

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<210> 32
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 <213> Homo sapiens

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 <211> 183
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 taaagatacc ttgtgtctgt aacttctga ttctcaggag ctgacatgtt gatgtgtgag 360
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<210> 41
 <211> 271
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 <213> Homo sapiens

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 aagtaattca ttgctcctta ttacatttag gcacttcttt atccatcatg caggctattg 240
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 <213> Homo sapiens

<400> 42
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<210> 43
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 <212> DNA

<213> Homo sapiens

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<211> 429

<212> DNA

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<211> 358

<212> DNA

<213> Homo sapiens

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ctgcgttcag gttttcagcc atagaatatt ctagaaaaaa atagtataa catttatttc 240
accgctataa cctgaatgt gttagctgtgt tttttaaaaa aacatttttt tacaattgta 300
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<210> 47

<211> 177

<212> DNA

<213> Homo sapiens

<400> 47

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gccaaggcag	gtggatcgct	tgagcccagg	aattcaagac	aggcctgggc	aacacagcaa	120
gaccttgtct	ctataaaaaa	ataaaaaata	aaaataaaaa	taaaaaaaag	atcagtc	177

<210> 48
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 48						60
gacgtctggg	gagctcctgc	nntanntnac	actctggnag	aacccatggc	tcataaatca	120
cccccttggc	ccaaggatga	gtacccacag	cagcaagctc	ttccattgga	aaccacgctg	180
aggaagacat	ggtcaagctc	tggcagcaga	tcaagctgtt	atggcaagaa	ttcctgggtc	240
tgcgctcccca	gcatgtaata	tagaagatct	gggagtgggg	tcttgggtct	gtaatgtctg	300
tgatatggct	cctcacatct	tcttgtgtag	agtgtcatgg	ccaaaacagg	aataaccgtg	360
tttgcccttc	tgaattcccc	agtaatgagt	ctgaagctag	tctgaagcta	ccacagtcta	420
ttttaaggga	ttccataaca	tgtttgaatt	atatctatat	ggaggggact	ttcaatcagt	480
agccaagatc	tgntactaaa	attaaatncn	caatttaatt	tcacaagct	acataacctcc	536
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<210> 49
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 49						60
gtgaggaact	gaaattgagc	acttgaatgc	ctggaaccac	atatccaacc	aatggcagcc	120
attgtcctct	caaagccggg	tcacttggtc	tcaagacact	ttatgtcgag	ccacagctac	180
ttcatgtact	gggagcacca	ctcctgaaga	agctgactca	gcttcaatgc	aaggaagaaa	240
gtctgactag	ttaggtggaa	catgggatct	gtaaagcatg	gtgctgtgcg	agaggtgggtg	300
gaatgcatgg	gcaaagtatc	tctggagact	ctagcaatca	ttccgaagtc	tgtgttcaag	360
cagtaaacaa	acagcacact	cagtaaccag	tattcttgta	aagatggagg	atggtaatta	374
cattctgtga	ctag					

<210> 50
 <211> 595
 <212> DNA
 <213> Homo sapiens

<400> 50						60
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tcaccagaaa	ccaacccta	ctggcacctt	aatcttggac	ttccagtctc	cagaactgat	180
gcagtagaaa	tgaggccatg	tgactctcca	cgctggagga	ggacaggcac	tgaggcttcc	240
gccagctcgc	tcttgcttgt	gtgatgcctg	cccttggaa	ccagccaccg	taccgtgagg	300
aagccaagca	gccacgtgga	aaggccatta	caggtgttcc	agccacagtt	ctcatggagg	360
ttccagctaa	tagctggcat	cagctgccag	acatcacacg	gtgagggaga	ctgcacaaga	420
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agagagaatt	gagtattatt	gctgaactct	gccccaaagt	cagtttgtat	gcaaaatact	540
tcttccctta	ttttaaagt	ataacttttt	ggagagactt	ttttacacaa	caagtagata	595
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<210> 51
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 51						60
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ggagtctgca	ttaaaaacac	tactctgggt	agagataaag	aaagggactc	tctgagatga	180
gggaaaagca	gtggtttcta	atctgtggtc	cagagatctc	tgctgggatg	aagaatatgg	240
agggagaaac	aagagttatt	gtaaagggtc	tacaaagctc	tacgtatgca	aagcactatc	268
tatagactga	ataaataagt	cttgacact				

<210> 52
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 52
 atatttcgct ctgaagaaac atcattagaa ataaataaat aaaattaaca tataatacct 60

<210> 53
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 53
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 aagatggccc attgtgctct cttaattctt tgataatctg gacattgact ttccattat 180
 atgacctggg cttgtgggca tcatgtcata atgcacctgt tcagacatct ccctgtacca 240
 atatggatca cttgaagaga ctcttttgcc tccatcaaaa aggatacagn tgtgtatctc 300
 ttccattttt gnttacagng cctaaaatta tttgagcagg ttttcacctc ttctctgaat 360
 aaacacctta ttagtcctta aaangaaang aaaaagggaa aataaaactt ttaaattgca 419

<210> 54
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 54
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 taaaacttag aagagggtcac cttatccaac gtcccagcca gcacagccat cttttcacag 180
 catccatgac attcagcctc ctctcagaca tgggaagatc acctcttcat gaaacagcag 240
 attcttcaag gataaggaaa tggaggaaca aagcagtga gtaatctgtc caaagcccaa 300
 aagttgaatt gttgaaactg acatctgaaa gcaagtagcc tggcttcaga gtatatgctt 360
 ttaatcgctg tggtatatac tgctcttcta tatgtgataa tatagtatat ttattaagtt 420
 attaaaagaa acataagttt ctttggtgtc 450

<210> 55
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 55
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 tgctctgac attttcaagc ctaaagatca agagccatca tcttttacia gagttgcagt 120
 ttggtcttaa cctccaaaaa agaaacttct aataaatact atttccttct gt 172

<210> 56
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 56
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 aagaagaaaa agacaagttg aactgtctta aattccagcc catgaaagcc ttcctttttt 180
 taaataaagt ttttgttttg ttttgggtctg g 211

<210> 57
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 57
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aatttcaa at ttccagcctc cagaactgct ccaagaaatg gaattttatt aaaagatgga 120
agaggagat atttgagaga aggggaacta cctaatactg aaaactaata cagtccagga 180
tacatagaag atgatcaata acacttattc aatctaaatt accctatcag caagtggaga 240
gttctctctc gggagtgtctg ttttcttttc tgccagtcag ctctgtcagg ttgaatagaa 300
agcgataaat aaagaggaaa agaattcc 328

<210> 58
<211> 208
<212> DNA
<213> Homo sapiens

<400> 58
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catgtgat at ctgcacttgg aggcctcctct tctctttctg ccatgaatga aagcagcttg 120
agaccctcac cagatacaga tgctgggtgcc atgctctctg tacagcctgt agaccatgag 180
ccaaataaac ctgttttctt cacaatt 208

<210> 59
<211> 334
<212> DNA
<213> Homo sapiens

<400> 59
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agacaaagtc tcaaagagac tccgttttgg tcaacaatta gcccttcac atttggatcc 120
tgggccacat gtggaaataa agagttccag aagaattctc ccatgaaggc attggaatgc 180
ttcaatacat agttttgtgc caaatctaca ataacttcc caaaagaaag actcttcagt 240
gttctggatt tttcgggact tntcttattt tcttgtgcaa catcttaaca caaactagaa 300
taaagatgac atataatcat ctgcattcat gaat 334

<210> 60
<211> 177
<212> DNA
<213> Homo sapiens

<400> 60
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ccagtccttg caaccactga tctgcctcct cctctctatgg cgtcacctgt ttggaacatt 120
tcatgtaaat ggaaccatac aagatgtgac cttttgtgac tggcttctct cacttgg 177

<210> 61
<211> 381
<212> DNA
<213> Homo sapiens

<400> 61
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tgtgcataag ggaagatgag aggcgtggtg acgcccaccc ttcaccagtt ttgtaaaataa 120
caagctggcg cccagaacc catccacagc agctttttca gtggcattat gcattcgtgg 180
tgcaagcatc cttactgtgc ttcaatcagt ggcttcagtc gtggccggcg cacactgatg 240
gagtttcttc ctgctgcgcg gtcataattt cctctttgca tgtctgatga cttttgatta 300
gatgcaggcg ttgttcactt tccctgttga gttctgagta tatttgcatt cctattaaat 360
atccctgngt tttgctctgg g 381

<210> 62
<211> 141
<212> DNA
<213> Homo sapiens

<400> 62

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cagatTTTTg ctatttgcca gtttcgtttc atgaatgtg gcagaagacg cctgaatcaa	120
agataaaggc tgtttttact c	141

<210> 63
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 63						60
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gacaggagag ctcagggtcg aagtcggccc ggccgcctgg agctccaagg ggacaaatgg						180
agcccagggt caaccgcagc cagggaggca acgtctgtgc acctgcaact tcccatggca						240
ttgcccact caatggctca agaacctgcc ctgtcctgct tcggggccag cattccatcc						300
tctgaaagaa cacgagcgtc cccacatgct ccgtaggac catcctgcct ctgcctccc						360
cacttcacca gaagaactcc tctcctcct tctgggcaa cttggcagca actcctccgg						420
gaagccttcc ttgctctccc aagacacgga caggcaccct tcgtacgtgc caatagcatt						480
cccatcagca gttgtcacac acacaaggct catgacctcc cccccacct gtgccccag						540
gggaggggct tncctggggg cagggccatt tcgtcgtcat cttccagcac cacacacact						581
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<210> 64
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 64						60
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ccacaggcat gtgctttctc atcatgtgat gtcactctgc aggtcatgat gcagcaagaa						240
ggccctcacc agatgccacc cctccagaac catgagccaa ataatgtct gttctttata						244
aatg						

<210> 65
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 65						60
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gcctgtggcc ttccagctat tcagtcaaca gcatatgaaa atgcagttca ttaaaagtaa						180
accatccaag tcacctgttc actgtggctt cctgtcagga gggacagttt agatgacttc						240
ttggagcctg tcaactcgta ctgcaactgat ggtatcagat gcaagctggg gaatttggaa						300
tgctatctgc aatagtgaca tctggtggct tctaagttct actgcacctc cttaaggcag						360
gaaagcaagc ctggctttta agcagtattt gtgaaaaaat aaaggaatta catgagttct						362
gg						

<210> 66
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 66						60
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ccagagaggg atgatgcagg ctcttcacaga acctgtgtcc tatgcctcaa gccttctttc						180
cctcctgctc gctgacaact gctgaagcag aaactaagat tacgacacta ggtggcagca						240
tnatcccacg ggaagacaac ttgagtttgg ggagaccacc ccccgccaaa ctcaacacaa						300
tttgagaggg ctccacgaaa aagaccagcc cccaaataac agggagactc tgcaatgctt						360
ggtttccagt gatgatcaac actttaaggg ccaatggaat tcacccttac aggggaaagg						418
ggaccgttga antancctgg gngngggagg ggcattgctc agaaacccta cctaattgc						

<210> 67

<211> 322
 <212> DNA
 <213> Homo sapiens

<400> 67
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 tcaaaagatg agtaaaggaa agtctgctat ttccagagtc cacttgctct gagctggttt 120
 tcttctaaac cacatcacaa aagagcacga tgctgtgaac ctctcctttg gactcaagtg 180
 tactaatggg gaggaatggc aagttacatg cattatttct ggattctata aaaatgaaag 240
 tgatgggaat taaaaataag ttcattaata ttgtaattta tagttctgaa gagcttttagc 300
 aaataaacta aacattccaa at 322

<210> 68
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 68
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 cgggccaggc cctccaggga gggacaccgc gcccttggtg ggagatgtcc acagtagaca 180
 aaggcagttt cgaaataaaa gaatgcctgt caccaccagg gccaccccga cccttagtta 240
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 aataaacgta aaagggg 317

<210> 69
 <211> 678
 <212> DNA
 <213> Homo sapiens

<400> 69
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 gccggacttg ctctccttcg cctaggtttg cactcagagc aagagagaa ataggagaga 180
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 ctttgcccca actgttaaga ggactgacca tttacaagg gggagctggt gagatgactg 420
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 tggncaaaagc tatacttg 678

<210> 70
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 70
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 aacagcccag acaatcgcac tgggacgtga aaacccttgg gctgcatgag gggagaaaac 180
 cagaattggg gatggttagg gttttggagg gaaacacagg gacatgtgac caaaaataat 240
 aataactact gttactt 257

<210> 71
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 71

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atgtcttttag	agacttagaa	aagaccagca	agcttcttta	caaaatggtc	tcttcaatcc	120
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cctacttatc	agattggcaa	aaannaaacc	aggtcataaa	accccttttg	gtaaatatat	420
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<210> 72
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 72						60
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ttgcacccag	acacggcatc	tcagacactg	cacaaattaa	gaagtcaccc	tcaaaacctc	180
tatacagtgc	aggaatacag	ctaagacacc	acacccgagt	actaacatct	gcaaattctg	196
aaaagctcct	cataat					

<210> 73
 <211> 511
 <212> DNA
 <213> Homo sapiens

<400> 73						60
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cccaaagaac	aggatggtgt	cgaagactga	atgccagcct	gaggaaacag	aaatactaca	240
gaagcacgcc	agagcctgca	gtgtctcctc	gctgcctctc	aatgaactgc	taaaagacca	300
agaactctgc	tgagagataa	gaagagggga	gggtgtgctg	caggtgggtg	tgaggaggcc	360
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<210> 74
 <211> 499
 <212> DNA
 <213> Homo sapiens

<400> 74						60
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ccggcctcat	ggccttttgg	ggttgtcgct	tggaaatggag	atgacacgag	tgctgcatgt	180
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<210> 75
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 75						60
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ccagtcttat	ctccgtcctt	atcaccacct	taccatgtca	tcctggcgaa	gatgccatca	180
caggagtcag	ggttgaagtc	caggtttaag	gtgcatctag	atgggttccc	aggacgcctg	

aagtagcctc	aagaggccca	aaagaaaaag	ctcctctggc	acagtctcct	aatggtgaca	240
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attatttccc	actgaaattc	aaacctaat	catttatatt	ttattctcta	taaaaatgaa	360
aaacatcact	gnggcaagta	acttgctcaa	tttctnacia	aaaaataaan	aaaaggtggt	420
tggtatc						427

<210> 76
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 76						60
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tcaccatgca	ncttatgcaa	aatagttgtc	aagctggaag	gatgcaagcc	caatctttgc	180
caccacaaag	gaagataata	aaacccatac	gggagaaaac	agagccacag	atggagacag	240
tcacattcct	ggtgacagt	tttgagcacc	tggtatccagc	ccaacctgag	gccattttct	286
cctaggtctt	ttagatctgt	gaaccaataa	atccccgctt	taggag		

<210> 77
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 77						60
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aggaagtgat	ggttgaacac	gatgggacta	ataagaagga	aacgtagtta	gagtgatctt	240
attcatttaa	aaacaaaagc	agcaacaata	cagcagtcga	ggaaaagaat	caattctatt	279
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<210> 78
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 78						60
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attggcatca	tgtctccaac	attctgaagc	caaggctgag	gatatacaag	gtctggaatc	240
attaagggtg	tgataaagt	ctgagaaaca	caggagaatg	cattgttcag	tgaatgaaaa	300
ttgaaaagag	agatggagac	agacaaaagaa	aaagactgaa	caactgaata	gccaattttt	360
tttaactctc	aggatgtttt	ctcctacctg	gatggacaca	atcttctgtg	gnggtacatg	420
ataagtattg	gctggggtga	ccattccatt	tnctggnccg	cccaaggana	ttttgnaang	480
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<210> 79
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 <212> DNA
 <213> Homo sapiens

<400> 79						60
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tcacaccag	gatttgtgtc	tccagtgaag	agcagcaatt	tatcctacac	tgaaaatttc	200
ctgaataaaa	acagttcacg					

<210> 80
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 80					60
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cagaaagtga	agtctcgcaa	aggaaaaaga	caagactaaa	gggaataaac	catcgttgtg
tgggcttttt	cttccactca	gcactctctc	ccttattaaa	atgagagggga	taactttaag
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<210> 81
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 81					60
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gaaagtttca	caagcacact	ttgttcagtt	ctgcagctta	ccaggaacac	tagaaagcac
tccagacttg	tgcttggggg	ccatttgaaa	cagcaaaatc	atcaacaaaa	accacaaaaa
tgcaaaaaacc	atggcactaa	atagaccatg	aaaaggacac	ctgtttactg	catgacctga
aacaagaagg	cggagcgttg	ccttgttcga	cttcagctgg	gaagataggc	gtcaggggac
tcaaaccttt	cagcactctg	ttatatctgn	gaatgatcac	aaaaaaactg	gggagtnnta
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ggggataatg	aaaaat				495

<210> 82
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 82					60
gtaacangaa	tgaagaaact	acaagaata	ttgagaagga	agcatcacag	aagtgagagg
aaaaccagga	aaagatggct	catggaagca	aagaaaaac		
					98

<210> 83
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 83					60
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accagaggga	gccacgcaga	aacctctggc	ctctctgcac	gtctgtctta	tcctacagag
tggcgactct	aaaaggccaa	gggtgccagc	gcccagcgac	agttcacagc	ctgagacacg
ctttgctcac	acgcctccct	cctcctctgg	ctcctacctg	ataaaaagca	ttaccggttt
tgatgttttc	aacctcccc	attttccctg	gtgaaagatc	cattcatttc	agtgctaaca
agacatcata	agcagggaga	aggaacaaaa	ggcanantgt	gtnccttaagg	agggaggcan
tttgcaaaag	cncactntt	ttcaccttgt	ccacagaata	aagggttgaa	gactaaaaaa
aaaatt					486

<210> 84
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 84					60
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ggcagacctc	taaggagatg	gangangaat	gacanagggc	nngaagaatc	ntgtgaggga
ctgnacanana	agccagtgac	naaaacttnc	agaagagctg	ncaacagtac	caaacaaagc
agaagagtct	caaaagatta	aaaataaaa	ttgcttccat		280

<210> 85
 <211> 408
 <212> DNA

<213> Homo sapiens

<400> 85
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gaaccagagc tccttgccct cctcccagcc cccacccaa gtaacacgtt cctgatcctg 120
tcctggaagc agcttcgagg aaatgcccag acccctgggg ggtgatgtgg tggcaagggtg 180
acaaaggggc aggtcacaaac gctgtcacia gctgatatgc aagaactcac aggcatagcc 240
cccaggggct atgggtgtaa gggcatctgc tctgcccttt ccagcggggc tagttttggt 300
ggcctctgtt ccattttattt gcttaggaac acaaagctga atgcactgtt tgcaggaagt 360
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<210> 86

<211> 477

<212> DNA

<213> Homo sapiens

<400> 86
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agaataccaa cgtgaattgt cttccacct gttgtgtggg gccagcaatt attcttttag 180
cttgacgcgt taaccacct gctccctgtg gccctgggat gctctgccat cccccgtggc 240
tgccagttca cttagggtag acttatggca gagggatgtc aattttgctt gaactgctca 300
atcactgctg acatttcgtt aaccacccta tgaacttctc aagcctgaag tagcagcaac 360
ttgtgccctt gaaaactgaa cagaaaacaa ctggattgna ttttttcttt caccaggaaa 420
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<210> 87

<211> 500

<212> DNA

<213> Homo sapiens

<400> 87
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aaccactccc cctggaagct tgtttcctgc actgttaaga gcatggacc tgaaggcgga 180
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ttaagtthta tgtgccaact tgactgagtc agagaatacc gagacagcag gtaaaacatt 360
atttctgagt gtctatgaag ggtgnatctg gaaaaaanta cntttggaat ccgtngaaaa 420
ggggcaagna anatctgggg cggntcatct gggnatcatc caatccactg gagggctcac 480
ccaaatagaa caaaaaggct 500

<210> 88

<211> 381

<212> DNA

<213> Homo sapiens

<400> 88
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aaagtgcgta tagctgcgtt tgagaaggct tagtcatgac tagaaaagtg tgaatactgt 120
gacatacct tgcaaaaaaa tggtcagctt aagcctctan actaacttct ggtttacaag 180
aanaaaaaag agggggccat ttccaaaaag actcctgcct tgaactcttc aaaatgccna 240
tgnacaggg ggaaaaaaga tgggggaact ctactacntt aaagctaaag aaaaatttna 300
aaaaaaaan gaaaaaaagg gccngcngng ccnattnagc ttggacttan ccaggctgaa 360
cttgnthaaa agggggggga c 381

<210> 89

<211> 458

<212> DNA

<213> Homo sapiens

<400> 89

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cacttatgtc	gagactgcaa	aggctaacag	catcttcac	ttgggtgctc	tgtttccgct	180
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tcaacacact	acccagcttt	ggagccaagc	ctcatgagtt	cccccaaccc	agttcctgcc	300
agatactgcc	acctgtccta	agtgtcaaat	ccagaagaca	aatggcctcc	aatgggtctt	360
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<210> 90
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 90						60
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gaacatgtct	gcggtagcca	ctgggtccaag	gagaatgagg	aaatatgtag	agcagctttg	180
aacctaatac	gcagtctgaa	gtcaagccca	gtggattcca	gccaagcaca	gcagaaccac	227
agccaatcta	tagaactatg	agagaggaaa	taaatattttg	tggctat		

<210> 91
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 91						60
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gcaaatctat	aaaacatttt	gaacttggtg	cctataaacc	accaaaccatc	atgcagggtca	240
ctgatgtgag	gatctgctgg	gcttatggca	tttgtgacaa	acccaatgat	tcttttatta	256
caacagctta	taaatg					

<210> 92
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 92						60
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cagctgtgtt	aacagggaaa	gaagttggga	catggagttg	gacagacctg	gctttgagac	240
tctgcctcat	cacgacctcg	ctgtgtgttc	cctctgaact	tagctttcta	tattaacaaa	300
atgaggccaa	taataattcc	accctgtctg	cattccaggg	caattaaaga	atcataaatt	305
ggcct						

<210> 93
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 93						60
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agcaatggct	gagtcctacg	cctgtcgtcc	cctcctgggt	ctcacagaat	ggaaataaat	190
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<210> 94
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 94

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gcagccccc	aatgaggcca	cgagccccag	aaccatcctg	attgctccct	ctgaggtgat	180
ggacagagga	aattttccct	ccaaggactg	acagagaaag	aacaacggag	atgtggctcg	240
ctgctggcat	ccattaactt	gtgcaactag	caaagcaccg	agtccacagg	gaaaagggag	300
agaaagtgtg	aatgaagggtg	caattgtgtg	tgggaaggctg	agtgtgggtca	caggaaaatt	360
gcctcatnct	tgtattgnaa	tggcatcttt	tattncctca	acccaagggt	tntaaagtan	420
gttccctntt	ccttttctnta	agccaagcac	ccttatgcca	ccatcatntn	tnacttanac	480
cacaacttta	tctnctgac	atgtttacc				509

<210> 95
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 95						
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tagggcaata	taacccccta	caaacaacct	tccgacaaga	ggacaagtgt	tttcacaagg	180
cttcatggaa	gttcgaagtg	gaggaacaaa	acacttcagc	tggaaagata	gcacatagcc	240
agaagtcaac	cccaacccta	ccaaaaataa	tgatgccagg	aaacagagct	acatacacia	300
aagggaatgt	gtaccaggat	acacataata	aagtcccctg	gccaaagctg	ggattcctcc	360
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<210> 96
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 96						
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<210> 97
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 97						
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ttcgtgaaca	aaagcacatc	tctctgagga	ggcaaaatat	cacaggccta	tgacaccaga	180
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gcctcaggaa	ggttggcagc	tgccaaaccc	acaggctaag	cagtgggtggg	actgtgatcc	300
aaactcagat	attttggttc	atctgccagg	aaatttttcc	tgtcctggaa	ttatctgctc	360
ttctcaagaa	ggaaaaactt	aatccttctt	antcctgaaa	cccatcctag	gaaaggcaag	420
aaggaaatgc	nccaaaatgt	taactgnngt	tgacactgaa	gggggaattn	gggctttgtc	480
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<210> 98
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 98						
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taaacaagga	agtttgtgtt	ccaaggtaag	agaacctgaa	atgaaaaact	caggatccct	120
cacgaacagc	ctgacctctg	tttcaaccag	gaagttcaag	ggaggcagga	ctttacggtc	180
aaaactgcaa	agccgaagct	caagactgta	agaagaaagt	gatcttcaaa	gaaaaggatt	240
cacccaatc	gaagaggata	tcgtttcgca	tcagggacac	tcgtctccac	acctcctacc	300
tcaaagtcct	acgcacctac	ccttcacgtc	tctncaaagc	aactgaatta	aagcgcttac	360
tggtgcttggc	ggngcaagga	atttaattca	ggaactatng	gggaaaaaag	cagggggagga	420

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 tggagcttgt tgcaggccag 500

<210> 99
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 99
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 tcaaaagttt tgttctcatt cttggattat agattatcta aagggaataa ttaactcaac 180
 caaaaaattc gttcagctcc atgaagctaa agatgctata aactgactct ttcctaaaga 240
 gcaccaaacc tgaattttt cctgctagag aggaactaat cttcaaggac acctgtctat 300
 tgctagacat taagaaggaa ggtgaactcc gttctgtctt cataaaacac atttttgnct 360
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 at 482

<210> 100
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 100
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 gatgagacct gttttgaaaa cgaagtttta gaggaactat gtgaacagat tgtgttcttc 180
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<210> 101
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 101
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 agaattagaa tgcagtagga aaatgaatta acatctgata agaaaagaaa ccaaagagtn 300
 aagacctgta gttctgcaac acagatgctc atcagaaaaa tgtgggtaac cttttcaata 360
 ataaaaccct ggaccc 376

<210> 102
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 102
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 tttg 304

<210> 103
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 103
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<210> 104
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 104
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<210> 105
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 105
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 tcttgccctc tttcctttcc ctccctccct tttcagncct tttttcctta atacacaagt 360
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<210> 106
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 106
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 aggatgaaga cttttatgat gatccatttc catttggtga atgcctcttt caaaagaaga 180
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 acagacgaag tatttaagca agatactttc tcgaaaatga acaacacgcc gactgncatt 360
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 ttagaattta ggaca 435

<210> 107
 <211> 437

<212> DNA
<213> Homo sapiens

<400> 107
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<210> 108
<211> 383
<212> DNA
<213> Homo sapiens

<400> 108
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cccattgaca gcctgagtgc aactccatga gagacgctga ggagaatcaa gttagctaagc 240
ccttctctcaa ttcctgactc tcacaaactg tgcaagataa taaagattcn ctcttttcag 300
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<210> 109
<211> 79
<212> DNA
<213> Homo sapiens

<400> 109
gactttgctt ctgggaagat ggagtacttt tccttattct tccacaaaac gacaactaaa 60
atccctaggc attatatat 79

<210> 110
<211> 473
<212> DNA
<213> Homo sapiens

<400> 110
ttctgtgnacc tcaagcggca tccctggggc ctggtctcca agtcccgatc ctgtctgaaa 60
aatggcgctg aaggcctagc acanggcagc ctctacctca aagcaccatc ccgcttaaca 120
ttccaacggn gcctnaaang aaaaaccctn tgggtggggc caccaaaaac ccctggcctc 180
catgtgtctc ttcctggccc caaggacagc ttgacactnt ccaggaagna aaggccaang 240
ggnaaccccc tttgcaanaa nacttatttc ttaaaaaaga tctnggnttn tanantcaan 300
ggggacctgg gtttnaaagt ccccggcatt ttgcccttct tgaacttcac canttgtttc 360
aacnctttt ngggccactt ccacttttnc cccttcatnc tngggaaacc ctccangttt 420
ttncctccat tctggggnaa gtccaagggg ggnggggngg ggaccccacc ctt 473

<210> 111
<211> 417
<212> DNA
<213> Homo sapiens

<400> 111
ttctgtcacc tcaagcggca tccctggggc ctggtctcca agtcccgatc ctgtctgaaa 60
aatggcctga aggcctagca cagggcagcc tctacctcaa agcaccatcc ggcttaacat 120
cccagcgggt cctcagatga gaagccctgt ggtgggggtc accagaaacc cctggcctcc 180
atgtctcctt cctggcccca aggacagctg acactgtcca ggaggaaagg gcaaagggga 240
agcacgtggc aagacactca tttctcagaa agtctgggtt aggagtcagg ggacctgggt 300

tcaagtcccg catctgctc tgactcacia gtgncacctt tgggcactta ctttcccttc 360
gctggacctc agtttctca tctgggagtc aaggggggtg gaccagctga tctccgg 417

<210> 112
<211> 262
<212> DNA
<213> Homo sapiens

<400> 112 60
agatgggggtt ccatcatgat gccagactg gtcttgaact cctgagctca agctatccac 120
ccaccttggc tgaaatggcc tgacatgat agcactggc gtgacccaaa gatggaatga 180
agaacatgaa tggatgactg tttccttagc aacaagaacc atatgtttcc tttgaaacaa 240
gaaacaaaaa gaaaagtcc catccattt tctttccacc aattcaaaga ctaaatagta 262
gtggcttaaa attataatgt tt

<210> 113
<211> 229
<212> DNA
<213> Homo sapiens

<400> 113 60
gctcaaccaa atgcctctgc caggagaatc tttcagagtg tcttgaaca ttggaaatag 120
gcttaaaagt taaatgatga atcagaagag ttatgctgta ttctaagtct gccactaggg 180
ccacacaggg tgccaacatc caatctcaag atcttcggga aatatgctca cctccaaaa 229
tacttacaga tgtgtctcct cttttttgta aaataaatgc tcttcttat

<210> 114
<211> 318
<212> DNA
<213> Homo sapiens

<400> 114 60
gtgctgcaat caagagaaaag agacagagcc aactgacaa gaccacgttc tagagagaag 120
gaaatatgag aggtctcaagg gcagggtgtg gaggacaagc aggggagatg agatgaggag 180
ctggctgcat ccaaactgca atgaacctat accatagaac acagaacaca aacattgaac 240
ctgctgagcc tgtatgaagc tactatccca ggactgtgaa aagtagacta gttgaggaag 300
aattcaagtc gacactgaac tagtggtaga gctctcatca tacagatcgt tggaaagtag 318
catcccgaca gttctgag

<210> 115
<211> 426
<212> DNA
<213> Homo sapiens

<400> 115 60
atgcacagan aatttctgac cttgngacgt ttgggagtga ggagatccca tacagaggca 120
tccangnatt tccagagatc ctgtggcngg tgaggncctgc cctcnctgga nccaactcgt 180
ctataatata ttcctaacag cangagtgcg ctgcggggag gagaggagaa gacagactaa 240
gctgcgcgta gagcggcatc aggagcaagt taccgttagc atgtgtaaac aaaacaactc 300
gactcctctg tgtcagaatc aacaacatca aagctgataa tgtggctggt tgggatcaat 360
tagcactgga ttttgcccca agattgcttc ccaaggcgga caagtgggag ccacttcatt 420
ttccagcgac ttttacttcg ntcacgggca tatccacgcc agggctgcag aagcatttca 426
aaaggg

<210> 116
<211> 229
<212> DNA
<213> Homo sapiens

<400> 116 60
tgacacacgg agaggaaaca tcagattgct ttttatccgc atctataagc ccgggtcata 120
actggagaaa aagccaccat caaccagaa ggccaacttc cataattata tgaatcgttt

gtgaacattt atggattaaa atgtttgagt aaagctgaaa tcggatatta cagtccatga 180
atagttcatg ccatgagaca aaaaattaaa gaaaaaaatt tcattgatt 229

<210> 117
<211> 430
<212> DNA
<213> Homo sapiens

<400> 117
catgaactga ggtgttccat ggggtggtcag ccgatctcca cccccaaggt tgccttccca 60
gagcctcaga cccatgcccc agcgttatgg agatgtcttc tggaagaacc ttaatcaaag 120
gcccaccccc acttggtctgg aggagcagca cattccaccc atgctgagag ccactggttg 180
ctcccagctt ggtctgtatc ctcttgagca gctcccaccc cctgaaatgc tttggagaag 240
aaagaagagg aggccatgtt tggaaggaat gcagcagcag ggccttgggg gagtccccgc 300
ccgggtgagg gctgtcactt accacctgga ggacctaaaa aaggcgctcag aagcattatt 360
aaacgaactt gaaaaaggcc cagtggggca agcttntggg gctggcatct tganccagtg 420
ggtgcttggc 430

<210> 118
<211> 435
<212> DNA
<213> Homo sapiens

<400> 118
cnaanctnna aagggcncnt nccagggttaa aaccncann cccaaaaaaa atnggggttaa 60
aaggetgncc ttnggctcca tcaacactct gtagccaac actttggccg caagtccact 120
ctgctatcca cagctctggg gcacttctct ggctgtctgt tagtaaccac taacctaac 180
caacctcatt ggccaggtaa aagctatcga aaataaactg aaaattgcta tctctatatg 240
nccatgaggn ttaatacagg aaaagctgat agtcaaaagt caagntcaaa tggcatttgg 300
tctccacagt gaaaaaatgn ctttangctg gaataccaaa gaactnggga ggcaacaccc 360
ggacctgnct tcaaaagatt ttnatcttcc cttttccctt ggntggcagg gcctaaaatc 420
aattcccagg gtcca 435

<210> 119
<211> 405
<212> DNA
<213> Homo sapiens

<400> 119
aaatggggaa gattgaagca aaaaatggaa cacgttaagg ctatttatga agtaagaaat 60
ggttcccctg ctactcttgt gaagtttcca ggtacccaaa gcaaacttcc tctaacgac 120
tcagggttcc aatcttttct cccttaaaaa tacaagatcc agaagaggag ccctgtcaga 180
tttccattca acaaaaaccgn tgggcttacc aaccttacac tggaaacaac aagctcaaaa 240
gtggactctg aaacttgctt tttaaaaaaa gcgtttcaag cgataagtgt aacgtgctac 300
agcaagttta gacatctgca ggtctgatgc agtcattctt tgggggggtt acccaacaga 360
cacacacagg gccaggcacc ttttcttctt tagcagcaga agaaa 405

<210> 120
<211> 424
<212> DNA
<213> Homo sapiens

<400> 120
gcgctgaccc acgaatgcaa ctctcagccg agctgtccct gccggatttc aaacagctga 60
agaagggttg ggagaacatc aaggcttggg ctaaaacaat tatggcccat gaaaggagag 120
agaagggtgaa agggagcgtc anccccctcc tgagtaacca agtcctaggg aaggagatca 180
ccancatgct gctggagcag ctctacttcc tgcagagcac tcttccacc cctccccccg 240
gaggaggagc ccaaaatacca cgccacggcc caagaatcat ttgctgttcc aaatagagaa 300
ctgggcatg atgaaaaaag aagttcatac cgtttttcca acaccgtgaa aaggacctnt 360
taaaccctga accctcgtgt tcaagcttgg naagaataac agccaataaa aactacattg 420
agcc 424

<210> 121
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 121
 nnnnaactgaa ataangaagg atnggtcaga nanacagcca acggtgtggc caacaatcac 60
 cactccagag ccttgcccca tctagggcgc acgtgcatgc ctctgaattt cctccccctt 120
 ccttggtcca accacagtcc aggaaagcag attttctatg ccccgaggca atcacagtgg 180
 aaaatggaag tacaatggag tgctgtacct acccaagcac caggaggcag gagtcgagct 240
 actcacagac tccctagagg agaactccac gcacccaaac tctgctgtgc cccctctgag 300
 ttctgagcat gccagggtgag gcctctccct ctctntntnc cttcattcca agtttttngg 360
 aaaaanaagc aagcagcccg cgtgaccaga cagagccttc cttgctaata aaccatcct 420
 ga 422

<210> 122
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 122
 gcttantagg tattccattg ngentacaga cctcatttnt tactccattc atnngntgat 60
 ggctgnanct tggctcttga gaataangca ccaangaaca tgggagngca gcaaagctca 120
 tgacattaca ggaggagcag agttctatca tgtagaaggt cattcacccg agcatgcttc 180
 cttatcatca tctcatcttg tgccgggtata caagtaagat cagccagctg ctgaaatctc 240
 taaggaatat ctctccatgg agacagagcc agacggccca agtctcttct ctgttcttga 300
 gttcctgttt tcaagtaatg atttgataa actgggagaa ccagtttcct ttctccaac 360
 tctggcaagc tgaaattaat tctccaaaga ctctctttg gaggcaagc 409

<210> 123
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 123
 gcgctgggga gctcctgctt taagtnanan cngaaatcac ccangtcann aagganaang 60
 aaaatanaag ggcaanctcg ctgtaaagaa nggattactc aaangtngaa ccaaagccgg 120
 gggaaaagaac atggaaagca gtggagaggc accaggcagg togetttctc tttctggtcc 180
 tcaaccacag cactgccgtc ttcagaacag taactattac ttgtccatac caggcatctt 240
 caatactcct caactcatat caagaattct gccagtcata aacagacctc catcctacaa 300
 aacttgaaac cctaaccctaa aaccttacat atatccacct ctcaattatc cttctgaga 360
 cantatgaaa aacaaagngg cagtttcctt tactggaata agtattaaat tttgcttgg 419

<210> 124
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 124
 gagccgcaaa gacagcctgg aaagtgcag ctccacggcc atcattcccc atgagctgat 60
 tcgcacgcgg cagcttgaga gcgtacatct gaaattcaac caggagtccg gagccctcat 120
 tctctctctgc ctaaggggca ggctcctgca tggacggcac ttacatata aaagtatcac 180
 aggtgacatg gccattaccg tttgtctcca cgggagtggg aggcgccttt gccactgagg 240
 agcatcctta cgcggctcat ggaccctggt tacaattctt gttgaccgaa gagttttag 300
 agaaaatgtt ggaggattta gaaagatttg acttcttcca gangaattca aacttcccaa 360
 agagtacagc tggcctgaaa agaagctgaa ggtctccatc ctgcctgacg 410

<210> 125
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 125
 cnnanactga gagataggan ctcgctacgg ttgcctgggtc tcaaactcct gggcccaagc 60
 catcttccag catttgccctc ccaaagttct gggattacag ggcctgcaca ccaatgaaac 120
 tactgatata agctgttctg aagaaaccca gaagagactg aatcaccaaa gactgcagtt 180
 tccacatcct gatgatttta tcatecttac tctgaccaa cagtgacctc aattttacag 240
 cccctcacac cctataatca tcctaaaaac ttcagcccag aactcctcag gaggataatt 300
 tgagggtttc tcccatattc ttatttggct gcctgtaat cattaaacac tttctctg 358

<210> 126
 <211> 488
 <212> DNA
 <213> Homo sapiens

<400> 126
 gtctggggag ctccctgcann annctgnac tgagagttgg ctnangagaa gatcaagagt 60
 gccatctgga agctcagggc natgagaaca acctggggcc tggctctca agccaccatc 120
 aacccaataa tcaacanaaa cccagagggg aaacgacctc ctttcagcan gactgggaaa 180
 cccttgaagg caggaactga gccttcattc cagcactaac tcaacaaaca tttcctgagc 240
 tgtccctgaa gccaggccct ggctgagaat gctgaaaaga ttcagagcag atacacgtgg 300
 gctctatcac acaaatttca tccatgtgtn ctacccaagt gataccactt gctctttctc 360
 tgggctnccc cagtcctga cacagaactt tttgggtcacc aacctaataca ttcanggatt 420
 ataactgttt acatgtcagt ctctctctct cgtccctga cagcagggat atggnctggc 480
 cttaatgc 488

<210> 127
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 127
 gtgaggnac acgtgnaaca acacgntgtn tgtgaaccat gaaagggagc ttcgacngac 60
 accnnacctg ccacagcctt gatcttaacc tttgcngaag ncacaactga gagannatnn 120
 nnnntgtggt ttataaccca nccagntat gatattntgc tncannaacc tgaatggact 180
 aagacnctcc ccaccatgan aatgtccaaa cataatnga cagatgtctt tacatcantn 240
 gtggatgctg ngacanaggc ntttacaac acagagcaac ccagggagct gatcagcatg 300
 aatgaggctg gaaggaggct cananaatcc atctttccag tgaacttgga acaccagaaa 360
 caagtggagc anaggggaga gaatntcttt gaaaacgcag ttgggagaca gagccangta 420
 acgggaaaga aacaagg 437

<210> 128
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 128
 attaaaaaga aaaaagaaaa tcaggtggga taaagagcct caggtctaac tgaattgtca 60
 actaatgatg gtctgagagt acctgtgctg aaatggaatt gtctttgagt ggacacttct 120
 tagatgagac ctattgtggc caatagctcc tgaggaactg aagccttcag ttcaaaactt 180
 gtgtgagaaa aatgaatctt gccaaactact ggagtgaact tagaaatgaa tccatcccca 240
 gttgaccctt gaattgtagc ttgtcagaga cccagagaca aagcatcctg ctaatctgca 300
 ctgggttcta ggcccacaga aacctatggga taataacttt gtgntgnttt taacccttg 360
 aaaccaacca aataaaatcc ttaagatgtt cccctgngga agggttccat tggcagggat 420
 ctgcattca caaccaa 438

<210> 129
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 129
 ggcaaattaa ccagaagag tacttcagag aacacagaca aactgccgtg cagtgaagag 60
 aatgtggcag gaagccctgg tattctagaa gaagctctgc ccactccaga caggatccgc 120

acgcctagtg	ccatgtctat	ctccaaggag	atcacattct	agagccaagg	accgccactg	180
agaagaaagt	aaccgtgagc	cgtcagaatg	catacctgga	gcgctccagg	aaggaaatct	240
cagccccggc	atcctccatg	gtcacacgga	gagggcggtt	gtccttgtag	ctttggccct	300
gagatgggag	ctagagctgg	acacaggggt	ctagtctctg	cttttgtgga	aacaagtctc	360
caaacctggg	gcaagngcct	tacctgtctg	ngtaatgggg	ggagctgatg	tggatcatct	420
ttaagccctc	tgcaagatgg	ag				442

<210> 130
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 130						60
gaggtggagt	cttgccatgc	ccttccatta	caaaatcctc	ctgttccacc	tgcaaaggca	120
agcaccacag	gtcagcagca	gtcagtaact	acaatgcgac	tcaactccaag	aaccacaccc	180
tgccctgtgc	agaaccacag	ggccgtttca	ctgtggggca	cagaacagaa	gcctggggcca	240
atggttttca	aacttctcct	tgagtgatta	gatctgcaga	aaaaaggaaa	catgttgatc	300
ggcaaaacac	ataactctga	caaaggatta	gcacttagaa	tataaaagaa	cggtgatgaa	360
tcaatgagac	aaagacagcc	tactagaaaa	atctggaaat	aacccaagcc	gggaatttcn	420
ntgaagagaa	cacataaanc	gtntaactat	atgaaaagat	attcaatctt	atgtcagtca	440
agaaaatgca	aattaaaacc					

<210> 131
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 131						60
gaagaaaatg	ttaaaaagta	ataaccaaag	aaaaagtcag	ccaactccca	cagcctggtc	120
ttgctgtgct	gaatggcaga	gaagatcaca	gaggaagaaa	aaagaaaaag	acagaaaaaa	180
ggaggcggag	aatttcttgc	ttaaactgga	cctagtccag	ctggcaagaa	gaggtggttt	240
tcttaacgcc	tgcaaaacct	gattactttt	tttaaaggaa	tgaagaagaa	ggagatgtaa	300
acacagccat	taaaacagat	ttaagggtact	tagttttaat	ctagtctaag	accttttcaa	360
ttgtatgctg	ctctgcaatt	ctctgcttgc	tagacattaa	tacngngcat	aagcccntgg	420
tcagngtctt	ttaaccagng	aacgctttca	gctgagctct	gngggttacc	tctcaggtca	434
ggcatggaag	gcct					

<210> 132
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 132						60
gtaaacccag	ttcactcagg	cagaagcaag	aggaagaaca	ttcctccagc	tcctcctcat	120
gcaggcccga	gaggtgggag	ggcattctgc	cagcccagta	tatccacttt	gcttcgacaa	180
atgtcagcct	gcccgagaata	aggaagtacc	cacagccggg	aaaggtaaat	ccaaaccttg	240
aaaagacaga	tactgagcat	ttgaaataac	acagcttgca	gcgtccttgc	ggagccctgt	300
ttatggggca	ataaaccatt	taaacgactg	tgtgttgga	cccacaaggt	cgcttgaaa	360
ggcttttcac	agacactgct	agtagggctc	caggacctct	ngaaggccna	gatngggggg	420
nccttttgct	tntgcttgaa	gcttgntggg	tcccctccat	cangaacgcc	agcccttgga	437
gaggctgcca	tgagaaa					

<210> 133
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 133						60
gaagaaacac	aagattttaag	gttgtttgc	aactgacagc	cctttctatc	aacaactaaa	120
taaaaaaatc	tgtattccag	aaacatgaca	cttcatgtac	cacccatttt	cctcataaga	180
aaccaaaggg	tgtccatgac	ttaggtacta	aatggcaagg	ctggaaccag	aatccaagtt	240
gcccgatcac	acagttttgg	tttttaaata	accaaattgg	tcaaaaatct	tcctcaaaga	

caaaaacaga tgaaggtaaa atgccaattg gttaaattta aacagagact tcactttgtt 300
cttttcaggt tcaataataa acaattctag tgattagcat g 341

<210> 134
<211> 442
<212> DNA
<213> Homo sapiens

<400> 134
gagtaaacga tcccaattgc agtatatctg nggntcatct ggcttcttct cacaccacct 60
ctgttgacat gggaggcctg ccggccacac atccaggaag tatgaaatca gcgggggttc 120
tccccttctt gctccaggga agcctgagag ggactctgca gattgcattt ggaatccatc 180
tgccaggag gggtaagaag aagcagagtgc tcaccgggta agagtcgaca gttttgaaga 240
ctcgtagctg cgaatctttc aggaataat ccagaacagt ctctcgctg gacaggaaag 300
gaaacctatc ctagagaggc gaatcctctg tcctggacc ctgccccana aaatgggtca 360
ggggagggga ttntttgggg gngtttcnac ctgctgcttg cagggttcg gttgccaaga 420
gtttcccaa tacctaaacc cc 442

<210> 135
<211> 434
<212> DNA
<213> Homo sapiens

<400> 135
tctccatgct ctggatagag gaggttcaca agccagggcc tgaagattaa cagagctttg 60
aagccaaaag gtgaccctg gaccatggac ttgcacctc ctttcttaag ggctttaaaa 120
tagaaaagaa caggagctag aagatgaggc agaagtcgag gacttctgtt tttctggaag 180
gtcctcttga gccaaacaagg ccagggtctg tctggatttc agagcacaaa gaggtcctg 240
gagccagcca tgggtctctg aggtttttac caacttgaaa gcagcctttc tccagggcag 300
aaacgaagca tctcccagc gtcgccatc ctcagctgnt ctttacaaca agaactttac 360
aaggatgccc ggatgaaggc ccaananacc cgcgttctgg gcaagccact tttaccacac 420
cgactggatc cccc 434

<210> 136
<211> 433
<212> DNA
<213> Homo sapiens

<400> 136
gtacctaaagg cagtaaacc ccaactccct ggaagggcc actgggcgct cacttcgctc 60
cagagcctcg cctggtttcc gcttcgggat ccggtcacc aaccagctc tccagttgct 120
gctgtttctc gtgagactgt cagagtgaag ggggtccaaag ctccgacttc cagcctcaga 180
aatcccaact caggcaggat cagcgaagcg tccctcgag tggctggagg gagagccagg 240
cggggcccag gctgccactt atcagggctg taaatgccac cctgaggccc acgcctgcca 300
acactgctcc ccacaagact aagtcttgca gcctcagccc aaaaagaacc gggcctaacc 360
ccaaaacgga nggtcatgtt caagccacac cccagtgaac cctggcgacc caccacacag 420
tgccctgccc tcc 433

<210> 137
<211> 443
<212> DNA
<213> Homo sapiens

<400> 137
gactagaact attgccactg aggggcaggt gggaagttca gccaaactcg aaccggagg 60
ccccacctta cctccctttg tgaagagccc agagcctttg tccaaagctg catcacttcc 120
caccagccc ttctgagcc aactccccga tgtctccaga agaacacagt cggcatcatc 180
gtgataacat cagggaact cctatttcca gcagtttctc cttcagctgc aaaaatgtgc 240
agcagtagac agggcggtgg tttttgaagt ctctgcagga ggtagagtta ttttctcagc 300
accacatctg agcgcattct ctaagggtgg ccgactgtgt gggaactgca agagcttaac 360
ccgggatgca agccctcca ttccccacc tgtccactac caccacgcct ggatccgaca 420
ggcagggcag gaccccatgc ccc 443

<210> 138
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 138
 gctctgggga gctcctgcat tannnctan ctgagtatca tcctctgcc atcaagaatg 60
 taagtatgaa gaatgttccg acactgctcc aggactgtct ttcaagccac tgacaaccat 120
 cctgcaaatt ttgatactgg tgccgtgttg gtgtccctag aggatctaaa tgaagatgtg 180
 aaaacaacaa ctaagaaaat attttaaatg gcaattactc aacacgagaa gttaaaacaa 240
 tgtccacact gagactgaaa tgacagcaac agaaacagca agtcagagcc atgcctgtac 300
 aatgacaact agatcaaaac tgccacctgg ccaaaagcaa tactcagatg ctattaactg 360
 taagacagtt aatgggtatgt tatgagggtga aaaaaaaaaa tcctt 405

<210> 139
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 139
 ccenttttgat cccacacctac aactgggcat cgctaacaac ccatgtgagg tacctaggaa 60
 gaatgagaag cttccagcaa ggcagctgct tccagcagca agtcctgca tagccccacag 120
 gccattccag ctcaatgctg gagaagaatc ttccccctaa cagcactgcc cagcactacc 180
 caactaaggc ttctctgggt aaactgcccc aggatgcccc aagaacttgt ttctaaagga 240
 agggaaacag atgccaaagac ttcttgtgct ttctccagg ggctcagagc aggccctgat 300
 cactaccctg gatgcacaaa gtatctatca aattcccaca aggtanaaaag gggtgccagg 360
 aatgggaaga aacttcaata ttccaagtca ccaatcacag aagataactg gcaaaacagt 420
 tctactaagc aagcacagag ccatttgc 448

<210> 140
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 140
 aactgagggtg gtgggtggtca agagcaaggt cgaggctcac ctgtgccccat ttgggttccgt 60
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 gtaatcacct gtgttgcttg attattatac aaattccccg acctcatacc gacctactga 180
 atcgaaatct ctaggagtag attctgggaa tctgtatcgc tggtaaagct cccaggtgat 240
 tcctataatc tggcaatgtg ggagacacga gcattaaggg aaccacagcaa cagggtccat 300
 cctctgccta acatcagcaa cctcagcaga gacttggtcc cagggaccct tggtccntta 360
 tgtaccccaa gacactgtcc ctaaatggng cacaaaagca agactcaggc ctgtctcaca 420
 cactggcaaa gctgctgccc cccagctcaa accagctc 458

<210> 141
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 141
 aagcttgtga gacctcaatg agtcatgaag aatcctaatt tcaaatacaa agaataccaaa 60
 gtgatgataa caaaaagcaa taattgatat ctgaacaaag attcttgggc agccgagccc 120
 ctcttgaatt cctcagccta ccatcatgat caacacctcc catgttccgt ccatgaatga 180
 ccgcactgac agcactggag agatttaatg ggtcaccaat tgaggcagtg aaggcactca 240
 tggcactcag agctggaatg gggctgatct gagttgtact gttgactgca gtgggtgatga 300
 caacctgcat tcctttgctg gctgcacga caactgcttt gtnaatgggc attntaccgg 360
 aagcatcacc tggggccacc cacaacgagg ccatncttca cctgttgacc aagagatggg 420
 tcaatcctcg gttgcaactc acaaggtgtt c 451

<210> 142
 <211> 450
 <212> DNA

<213> Homo sapiens

<400> 142
atcccttctg gagctgggtcc taattgcttt tcacaggagg gatgcaaact ggaaagtcc 60
tacctattca gcgaaggcac tccaagtcct gggctctttt ctccctcggg gcaaagatga 120
gacttctctt ctgtagagat cacagggtgca tctgtacagg ttggagtgt cccccaaccc 180
tggaccctta ggagcggccg tgatttgtga cacaaggccc caccggtga tctactctt 240
acacagccgt ggagagccaa gaactgggag ggaggaggaa atttgagac agagacacac 300
agggagaacg ccagtgtgag gtgaagataa agaacacaac ggtgcttntt acaaccaag 360
gaatgccaaag gacctccagc aaaccaccaa gaagctcagg gggaggcaca gaacgaattc 420
tttctcacag acctcagaag gaaccaacca 450

<210> 143

<211> 452

<212> DNA

<213> Homo sapiens

<400> 143
tcagagttta caccttactg tacggctgac cacctgaatc ccaatctcac gaaacaccca 60
caacccttg gcatccctg ggcactaccc agcaaagccc tatctttgca tcggtctcag 120
aaggagtctc ccagatgctg caccagctgc ccagcgtgc tggaggaaat ctccaccgct 180
gcagaaaggc catccctcca ctccctggac agccctctcc acgtcaccca cctgggtcct 240
ctctactcc ctttgggtgcc tgggtctttcc cagcagctgc ctacccccaa ctccctgcta 300
ttcaagccct gnaggcacct tgactcctaa atgaatgaac ttaactgctt gccctgccc 360
cttattgatc tgccagggtt tccaccctn catctnttca gggcctgctt ttgcagcaca 420
agccaggctg ccatacctc atgttccaat ta 452

<210> 144

<211> 258

<212> DNA

<213> Homo sapiens

<400> 144
ctgtcctgag agcacgtctc tacatctcta cctgcattct ggaatcaagg ggaaaaggcc 60
aaaacggaca agaacactag aatcagcccg tgtcccaacc ctttgactac aagggacttt 120
tccgcctat ctgtgggtgg ggtatcatg aaaattatgc acaaacctt ttttttttta 180
anctcatcan ctntngttag cattagggna ttnatntgg ggccaggag catntttttt 240
ccaanggggc cctgaaaa 258

<210> 145

<211> 445

<212> DNA

<213> Homo sapiens

<400> 145
gcactcattc tctttcctgt caccctgtga agagggtgct tccgccatga ctgtgctgaa 60
cgtgtcctcc aagggtttca aggttatcgt atgccctgaa attgggcaag gagctttaag 120
agggaacttt gagtttgcca gagaaaactc aagatgtttc tacatgaaga aaatggtttc 180
agacatttga cttctttaat ttttgcatc tctttgtgat ggttgtagc aaagacctaa 240
agtggttgta tggctatttg caaaggctga gtgtgacttg atattggctc aacttgaaaa 300
ctttgatatt tgatgnttgn attcaaaatt ggaaacaaag gnggttaaaa agggnggata 360
tatgaattat gggggggcat ataanacttt gcagaactta cctgcncctt atatattttc 420
tgccaaaata gntgttggtt tgatg 445

<210> 146

<211> 437

<212> DNA

<213> Homo sapiens

<400> 146
gtttgcctgt ttcctctggt tccagtccaa gcatttgtgc tacccttcga gtctttacaa 60
attgccctga aataatatgt gctgtgcctg cctctgtaca gttcagctca cctttgagac 120

atttcgttgt	gtttgttcca	acagcgggtca	atttgtgttgt	atttacccca	gaaatcactg	180
ctaaccaccag	cataccagcc	gcccttttctc	gtgagcttgt	gagtggttta	cggagcagaa	240
aaagagttiaa	tcgatggata	tgaattaaac	acaggaaacc	agcactagag	gaacctcaga	300
ctccaggcct	aaaaccactt	gtgactggag	tgacgttaat	cacaaganaa	gggagcctcc	360
atggtaacag	gatgctgaaa	cctgacacat	acaaggnact	atgcactttt	caaagcactt	420
acatttgatc	actcttg					437

<210> 147
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 147						60
gcttcagttt	aaaaggactg	cctgtcctag	ctgggatttg	agaattgaga	gaaaggcatg	120
tgatcctccc	gggaccaga	gagatcagca	gaccagaagg	cctacatgta	cactggaaaag	180
cccccaacc	aggaatccct	gtacgacttg	aggcattatc	tactgtgca	tggctgaagc	240
ggtagatgcc	atcattaccc	tcatttcaca	cctgcagaaa	ctgaggtata	gaaacattaa	300
ctggtctagt	cacgagggat	tctgtgatgc	ctgagacata	tgacctgccc	tccaagacca	360
taagtgcag	accaagaatt	tgatcccatg	tcctggnggn	cccacaagnc	tggggccttt	420
accattanag	caggggtttc	ctctgggggt	tctctgtcc	ccaggggaca	tttggaaca	453
tctggaaaca	ttttcgttg	tcacaaatga	gct			

<210> 148
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 148						60
ctgaagagca	ttgaccaagt	tattatcttc	aactctctca	aaggggtgaa	gagagaaaag	120
caactctgag	tcaactggct	ggnttttcat	ccctttctct	tcttcagttg	tgggctggag	180
agagatgtaa	ttccaggaca	ttggccagcc	ttttgttatg	tggatacgct	ttacacaact	240
acagtttatc	catcagaatg	aaatacagac	aaaagctgag	gaaatcagtc	ttcttaatag	300
atagaaaagt	atcctttctg	cctccaaata	aaactgaatt	ataacattct	tcgtatttct	360
ctgggtacac	atctggttta	aaaattagaa	gttaaatttt	aaaagtaggc	agaaggtttg	420
gttttttagaa	gaaaagacat	tttaactgta	atagnggatc	attatttttaa	tgcttataaa	451
gtccaatcaa	agataaatgt	caaaccataa	c			

<210> 149
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 149						60
cnaactgaga	aaagcaaaaag	atatttgcca	atgaacaata	acctggatgc	tcaaaggatg	120
ataaccctga	ggttgaggga	taccaagtac	cttggtccaca	attcagcaac	aatgggacag	180
gtgtgataca	aacctctttt	tccatcttgt	tctctttctg	cttgaccatt	gcaccattga	240
gagaagtga	acttgggctg	agtctacaag	gggcacccaa	aataaccatg	gtgtgtttat	300
gttcatttaa	aatcataaaa	tttgtgtagg	aaataaaaaa	aaaaggccng	cgaggccnat	351
tcagcttgga	cttaaccagg	ctgaacttgn	tnaaaagggg	gggcctccca	a	

<210> 150
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 150						60
ctctggggag	ctcctgcatt	nctacctncc	ttnagatana	nctgnnggct	ggaatgtana	120
agtggacttt	tggccacgtg	gatgaggaat	tgaagcagtc	agttctgac	tagagatgga	180
aggcgctgc	tgaggacagc	agggctgctt	ggcaccctgg	gtccctgaat	ggctctgtgg	240
agcactgcct	gatggcctac	cctggactgt	tgcttgagac	agaaataaac	ttttatcttg	244
ttcc						

<210> 151
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 151
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 gggnccggtg ctccnaaagg tnatcggtc cccgggtttc ntcaacttgt ngaatggatg 120
 gaaaagcaat gngtttacca tttgggcgga aattttgaaa atcattgga tggaccacaa 180
 gaagcttggg ggaaaaaatt tgtttgttgg aaacctcaca agggcaaggg ctaaaaacaa 240
 aggttgtggg ggggggtggga tcaagcccca agaattttga ccgtngccaa acctcaaaaa 300
 gaccttggga aaaaaaatgg gccaaagaaat aaaatcttgc tttccatccc cgcccaaggt 360
 tttgggtttt caatttggtt cttggacca cttcaagct tgggcanttc attnngggacc 420
 canttgnaaa gaaaagccan ggaaccgaaa aaaacccccc ccnngggang ggggaaaaaa 480
 atcctnnggg gaatttcttt tttttnttaa gggggatggg taaantacca ttattatttt 540
 taccnaaaat aaaaaaatgg ccctcatggc aca 573

<210> 152
 <211> 845
 <212> DNA
 <213> Homo sapiens

<400> 152
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 cttggccttt tattgaagct tggtaanac ttcnaccant ggaanggggt cttggcaagc 120
 tttcacttcc ttggaagcc caggcggaag aacccacaaa aacccacccc gggganggaa 180
 atgaaacaag ctggcaagga acgcccggg ccttttaaag atgcctggta aaccacttca 240
 cccaaggaaa gggccccgca agctttcact tccttaaaaag cccaagccga agaaccaagg 300
 gaaaccccc acccaagaaa gggaaaaaaa aactcccga acaacatctt gaaaccatca 360
 agaaaggaaa caaacctcc cggaacacc gccttgcctt tttgaagaaa cttgtgaaca 420
 cttcaccccg tgaaggggtc ccgcccgtt tcatttccct gaaagtcaag tggaagaacc 480
 aaaaganacc cacccaaatt cccgggacat tgtttcctt actttcctt taataagctt 540
 aatttaaaat ggtgaacttt ttctcgagg ggttgggctt tttggaccat tnccttttggg 600
 gaaaacaagc acttcttaa tcaaatgggt cacccttnc ccttgcctt ggggttttgn 660
 ttatttaanc cactttattt gggccatctt cttggggcca naagaatttt attaaaccnc 720
 caatttaaaa tantccatt ttggcttacc caagccttcc ctttcattat taacccctt 780
 tgccccaatt aangcaaggg nccccttata aaaccaaaat nnggggcttg nggaggccaa 840
 aaaaa 845

<210> 153
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 153
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 ctggaagcca gactagtgt atgcaccttg taccttgctc ctcaaggcac caacaaatag 120
 gaatccagag caactttctt agctggagt gcttctatgt ttctgactgg actttcacgg 180
 atacaaacag tggggctctt tgcaaaacac tcttctaagc tttcagaagc aggtcataaa 240
 gccgaaaagg acatttctgc ctttctctga agcaggatcat aagtccctca ttagagaagt 300
 atcctcccta tacctgaaga aaaggaacat cttatctat gaagacacag gaactcagag 360
 aagaatctga acaaacaggc cttgcaaaat gccctccagc ttctgccc tagatcatac 420
 ctctttttt cgccataact tctccataac tatccacttc ttcacagat cttagcataaa 480
 aacccatctg gtttactggn tggcttgggt cttcatttnc ttatgaangc tccgcatacg 540
 taaaaacnta cgtaaaaaa aatggggatg cttttcttgg gt 582

<210> 154
 <211> 627
 <212> DNA
 <213> Homo sapiens

<400> 154

atgcatcagc	agaacctacc	acacggcacc	tactgcgggc	ttcagttttg	ctgtagaacc	60
gagaaacatc	acgttagatg	cttttagcaac	aacaatgtat	atgttgcata	gaagaaaagt	120
gtcccagaag	aacagccagc	tgctcctttac	atgaaattgt	ggcactgcct	gtaagaagta	180
tatccaatga	gaacttgctc	tcaccatgta	atacttttaa	tgggtgagcc	atttcaacac	240
tttacatact	gccgagtaag	tttctacaga	actttctcat	tgtactcagc	gctgtctgtg	300
cagttaattt	aggcatcaga	aaactcagtt	gttaattttc	tgacttgctt	ctggactcct	360
aaatgctatt	gctccaatca	taacacgtcg	gaacacttac	gcagatttca	acaataatat	420
ccacagctgg	gaataaatca	aagcagggtt	atcactggat	aagtgcattt	ggaatatggg	480
taccaagaca	acatgaagca	aaggacagat	ttcactttag	aagattaaga	cagagccctg	540
ggggggaaaa	aaaagaggta	atcccaacaa	agtctatgca	accnttaaaa	aatattattc	600
agagcagaaa	tgcaagaattg	gcctttg				627

<210> 155
 <211> 598
 <212> DNA
 <213> Homo sapiens

<400> 155						60
caaaactgaa	aaactggntg	accttncgct	tngnntncaa	caaaccaaga	ctagctttga	120
ctatgacaat	nggtatctaa	ngaatgccag	acaggatgga	tgaagaccag	gacacaactc	180
actccaccaa	actgtgatgt	tacgtcattt	accttggctc	ccacccactt	tgcctttgaa	240
tgaagacgtg	tccccagcnn	ttgganaacg	agaaggaaac	acgccaaatt	aaggtcnnat	300
ttacatcaac	agagaatata	gaggctcaag	agaggaattc	acttaactta	taggaaaacg	360
aagtcataatt	ttggcacatc	gagtttgtag	tctttgagaa	atgaaaatcc	tcancaaaaa	420
gcttttgtct	gaccagctgt	gaggtaagaa	tgtgcaagaa	gtcaaagcaa	gcgaggaggc	480
ggagccggta	ctgtcctgga	aagcaaaaacc	cagaaagggtg	gcgaatctgc	tccaaagctg	540
cctcttttct	gctcctaagg	aagatgcntt	ctcangatac	agggattttg	tgtatgaaaa	598
aaaaatggcc	atagctgctt	acagaanaga	atgggtggna	atgccaaattt	ttgactat	

<210> 156
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 156						60
aacctcaggc	caagtgttct	tgacagctca	tccacagact	cccactggta	aagcagcatg	120
aggatggctt	ctgttatattt	atttcagaat	tttttctgc	agtggcatgc	cagtaccagc	180
tgaggatcat	gtatgcaata	tttgcttct	ttcatcttct	acctaggatg	gctttaattc	240
tcttcagagg	gaatttatct	tagtttttcc	cagtaagaga	atccacttct	cttgcccata	284
ttcataaatt	atcattaaaa	attaaacttg	gtacaataaa	tatt		

<210> 157
 <211> 759
 <212> DNA
 <213> Homo sapiens

<400> 157						60
ggctaccctc	gtgntganat	gaatnaactg	gcncttgng	gccgaaaagc	gaggngccnc	120
tttgttttgg	gagggncccg	taccccgcg	gaaacccttt	tttgcccgaa	ccaagcccaa	180
gcggaatggg	ttggtcttcg	gcctggccaa	ncnaagcccc	cccaagangg	ggccaaagct	240
tcttgggtgga	aactaagtcc	caccttggtg	cggaaggcc	cgggggtcaa	ncccaaaagt	300
nccccggnc	nggccaagca	atcggtcac	gggggccccta	taagcnggga	aaagaaagaa	360
aaagccacaa	gncaaagtat	cttggcttga	aaaaaatggg	ggggnntant	aaacgggaag	420
tcttcgcccc	tgacaccaag	gcttgggaag	tgtgccaagt	ggatgaagaa	tctcagctca	480
cttgcaaacc	ttcacctcct	tggggttcaa	aagtggattt	ctttcttggc	ttcaaccttt	540
tcccaagtaa	gcttgggaat	tacaagggcc	ccggnccacc	atgcccaagt	attttttggt	600
gggccaagaa	ggggaaggaa	aanggaagg	ngggggtacc	ttggaaaacg	aacaagcttc	660
ttttccctt	ggggaacttg	gnaagcaatt	nccgaagcac	caacaagtcc	aaccccgccc	720
aagccttttt	ggtttccttg	gcacaagtct	tggncntntt	naaagaaacc	aacnaacttc	759
cattattttt	attggacgaa	tnaaaaaat	ttgggtagg			

<210> 158

<211> 501
 <212> DNA
 <213> Homo sapiens

<400> 158
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 cntaagggcc ntntngncnn caancccttg acnaaaactta anggagtccc ntcgaaaccg 120
 gggccaccac ctttcttcac cttttgcaag gcaaggaagg cccggaagg ntaagccctc 180
 aagcgtcaac gaagttcaaa agancctggg ttaccagca agtttgcccc atctgtctcaa 240
 gggatgtggg ctttcttctt gatgaagtaa gttgaaagt cttgggatgt gaaatcaagg 300
 aactcggagc tcaaagtcca atgaagtacc ttggaaaatt ggattgggga agctggccca 360
 aggaaaatca ggaaagaaaa naagtcctga agattcaagg aagaaagtaa aagcccgct 420
 ggcttganaa tgggggtggg ccanggccaa accttgatca agggcccag caaaaccg 480
 actctttcca aataaaagct t 501

<210> 159
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 159
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 cannnngna aaatttggag ctgggatttc attgcccatt ggcaagatgg ggaananggt 120
 tancctttgg cttananaca aggangggaa aaacccaann ctttnaccan aaaagaaanc 180
 ttgganattc tttgggggttc ttggaacang aaccggtttt acctgggcat ttttttaac 240
 aaaaacnacc ctttaacttg gcttatttaa cccggcctgg cttcaatcaa cccacccttg 300
 gggccctggc ccccaagtgg gccaatantg cccttcaccc aacctattgg gcanttaagc 360
 ccacaaggcc caaagaataa acttataata tcaanaaatg gaantaagaa aagaaaaatg 420
 tggttcactt gggaaaaact tggcttgggt ggaagccctt cccaatgggg gaagcttgaa 480
 ggagcttggt gtctcttgca aggccattgg ggggaacttg ggcccacaaa gccaaaagaa 540
 gtcaagcanc catggaaagc cccnnggagc ttgtaaccgg tgtgcaacca aggccgcca 600
 attcaaaca agcatggggg aaaccaacaa gtnggncgcc aaatcatttt nctcaattta 660
 ttngggcnaa aaaaggngc tatttttttc acccttgggt aaggtggtng cntttttgga 720
 gaaacttccc aaatta 736

<210> 160
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 160
 aagacatata tcatgagaga gagagattac agtatgcaat ctctcagctg ccaacagaac 60
 acagatgggc ttgggaacag agaattgatc agatctgcag gactggagca atccgtggga 120
 agtttggaca gaagatctga tgcataagac agtaaaggac tactgaatgt tccatgatag 180
 atatgcttgt tcttttgcct gcatgccctt gaataaagac attttgatct ccaggaccaa 240
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 ctcaaatgt taacagatat caactgaaat atcaaaggc tttcatattt cattaaattg 360
 actatcctat gtgtttgata tttccattta attgaatatt tcttaactca atgaaaaatg 420
 tatgagcctg ctgtgataaa tcccggtgct catatggg 458

<210> 161
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 161
 cagaaattga gaatcatttc acttttgggg gaacgggaag ctggttgtgn accaccctta 60
 tgtgnacctt cctgtccttc agctacatcn gatgaacctt gggcagtga ttatctaagt 120
 cccatccaag cttccagaaa gaactgcagc cccagctgac agcttgactg caacctcatg 180
 aatgtttctg agctaggacc acccagttgc ttctgaattc ctacacctca gaaaactatg 240
 aatacaataa atgctgatta tttt 264

<210> 162
 <211> 882
 <212> DNA
 <213> Homo sapiens

<400> 162
 agtcaganac tngaagccca tactttccca attgccttcc aagcttggtt gcaccgggan 60
 gggtttcaaca atcantattt ttccaagaaa nggcttcctt gggaaaagan ngtggaaata 120
 ttggtggtcc ccaatccaag aaaanccttg aatggggggg anttggtgaa ctttgggctt 180
 gcttgtccat tcctttcaat ggtcaagccc caananaaan atctggtggt caagccccgc 240
 cacaaccat tacttggttt aaagccaagt ggggaatgaa aaagtggcca aagccttgcc 300
 caaagaaaaa aatgggtaaa agggaaaaat gtttgccccc aagggaaga aaacacccat 360
 gggcaaagat nggaaacca gtaaaccagg gggccacaat caaggggggg anaacaccga 420
 aaacattacc gggccanta aaaacttctt ttaattaaga ananngtcta ccaagattaa 480
 aatctancag atgaacanat tcctcaaagt tgggaacttt gggccattg aatttgggnt 540
 tgggtcccttg ccattactng atggaaaact actggatggt ccaagcttgg gtctgaaang 600
 gaccccttac ccagaaagcc ttaaattcan tcaaaagaaa atggcaaatt tcccattatn 660
 cctaaatgga attcaaatct tccttttacc ccttggaacc caatcaaggn ggggncccaa 720
 aaatttttcc caacccccct ttggccttcc ccaaaaaacc cccaacccc caanaaacn 780
 tcttttaaaa aaaattaaag aaatctttcc tccttaact ttccttggaac ttcaancn 840
 cccattgtna atccatttaa aacctcntnt ttgcttgga aa 882

<210> 163
 <211> 828
 <212> DNA
 <213> Homo sapiens

<400> 163
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 aagtggctta tcttgaaacc ttgtgggtcc ttggggaagc ccaggggtga accctgaata 120
 atgaacatct aaaaagaaag cttttctggg aacttcttga aacaaagaaa tttcgggtggg 180
 ccctgcaaaa agctttgccc aatttgccac ttttttcaaa atgccctttt gggaatgaac 240
 ccaagccact tttaaactct gaaaaccttg caaccaagaa ctaagcccaa ccacctgggc 300
 ccatgaaaac tttgccccct ttcacttgga tctgggaact tcaaccttct tggancccta 360
 acggcttttt aaagccaaag ccacttaact tggcactttt aacaagaaat taacccaac 420
 ttgggaatcc cttgggaacc caacaagaaa ttccttttca aatttcccc ttcaaagttt ttctaaagt 480
 ggccaagaat ggaaagccaa aggggaaatt aatttcccc ttcaaagttt ttctaaagt 540
 aattttcaaa aagccaaaang ngnggggtgg aaaatttccc aagtaacca gaaaaccaag 600
 aagggttggc ccaaatagaa agtaantttt ttaattctaat aaccttcccc tttgggtacc 660
 ctagaaaaaa ngcttatgtg agaactaatg aagctccacc agaaccang gcctttcgcc 720
 ancaaacct ccaaatcaa taaattggga ccatggtttt aaatggatta cctggggaaa 780
 tcontggata ggccctnnna aaaaggggga nangctaatt aaaacaaa 828

<210> 164
 <211> 660
 <212> DNA
 <213> Homo sapiens

<400> 164
 tggagaaaaat gggattggga aacagaaggg agaagaaact gggcntttac cataagaagg 60
 ttgcanaaca cccttttaaa acctaacctt ttaaaatggc agtgggaaag cnttcaacat 120
 ggaggcctcg tetaatttaa aacaaaccac acagacncac ttggcccaaa agcagcgact 180
 ggcctctgaa gannaaaagg tggggccctg caagtactgg gctgggaacc acctccacat 240
 ctgaaagaat gctgtttgcc tgtatttgct tccaacgtc ctctcttccc ttgcctggtt 300
 gcctgttggg cctaactatg agctctgccc acagtaagtg tcgttactat ggccactagc 360
 ccataccaag gcatggcctt tgcaagtccc caacatacag ctccccgacct cacaagcaag 420
 nccatctcta ntgctggnca gaaagtaaaa gtacacacng ggcgggggcaa aaagtccctgc 480
 tcattccaan gnancaacgc acctnaaca agctttttccc aaaangcaac tcaaccactc 540
 tttagaattt tttttttttt tnaaaaaaaa ccgggnttaa ggaacttggc aaaaaaanc 600
 ccccnagntg gaaaanccct ggggaaaaan tttctgggnc ccccccccg ggtgaactt 660

<210> 165

<211> 643
 <212> DNA
 <213> Homo sapiens

<400> 165
 cagaaaactga ggtatatattg ttcttatatg aatggacaga agaaacnatg gaaattggag 60
 ggaagggaag angaacnct anangggngc ntantttngc nccccaggtn gnccttcaat 120
 taaaagaacc tttggcntcc agggttcaan gtggattctt tttgcttcaa gccttcccga 180
 gtaagctggg gaactaacag ggtggtcaag gccttcttga cccaagcct aaagcccatc 240
 attatcccc tggtggatct tgcacctaac ccatcccaga atggccctga aagtaagtga 300
 aagantcccc caaaaagaaa gtgaaaataa gccttaactg gatggcattc ccaccattgn 360
 gaatttgttt ctgccttcac ccttaactgg atcaatgtac tttgaaaatc tccccgcacc 420
 ctttaaaaaa ngttctttgt aattctcccc ancctttgaa aaatgtactt tgngaagaat 480
 ccanccttct ggccgcaaaa cattgctctt aacttccacc gcctatncca aaacctataa 540
 gaactaatgg ataatccacc accctttgct tggacttctt tttcgggact canccccgnc 600
 tгнаaccccc ggtgaataaa aacaagnccc cttgtgtccc ccc 643

<210> 166
 <211> 629
 <212> DNA
 <213> Homo sapiens

<400> 166
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 ccgggaacca ntgccttccn ccantaacca cttggcccac ttcttgggtg aaccttcttg 120
 gcaagcaaaa aaccttgga aacccccaaa gaaggcaagc tttcttcaaa aagtaaaaaa 180
 gtgggaaatg gaaagtttcc ctgggtggaa ccctggaaat tccccatggg aagggaaaaa 240
 gatngganaa aagggancat ttattgcaa gggaagantg ggcattctcg gtcccccttg 300
 ggttgaaacc caanattcca ttaagggaaa gaacgggtgc caagtgttg aagggtggg 360
 acccttggga cccttgggaa taaaaaatgg gggtggttta aacccaaaagt aatttgttg 420
 aagtaagggt tgggtgggga aggggaaggca ccgactaaga tgcaaggggg tctaagcttg 480
 aagttggaca aagaagctaa ccaccagggt tgttgggacc aaggggacagg ggggggaccc 540
 tttaaagccg aaaagaacac cctgccccaa atggtggtct ttggttcctt ttgacctggt 600
 gggagaaggg cccctttggt ggggggtggg 629

<210> 167
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 167
 ggtgaagcca gatgggagt ctgagcttca gggagcagct acgcaaagt aattgtgctc 60
 agcaaagtct tctagattaa gcggtcgctc caataaagt tcctgattct gtccagaaat 120
 cctcaactcc gacaataaga agtgggttga ggggcagttt gaatacataa tcaaaaagca 180
 tataattgaa gattgaactt gagctatagc ttcattgtatt gtctctgcgt tgttctattt 240
 taatagttgc atatggagac aataaagcta catgac 276

<210> 168
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 168
 agacgtcttg ggagcctacc tgcattaagt ccanatactg gagagaaatt caagaacctt 60
 ggaaagctta ccccaacctt tcttaaccat tggcctanta accnatggan cacccttaa 120
 ggaangtggg gcaggaagta acccccggan ggggaaagaa acccctgggn taaccttgga 180
 aatggactan tattggaaaa caacanggtt ggcctttana taacccttc ggantcaact 240
 tcaacttaac nggaaacttc ttntaaataa aaaggtanta atttttttaa agcccaatt 299

<210> 169
 <211> 540
 <212> DNA

<213> Homo sapiens

<400> 169
atttctgtga atagaccaga agcccgacct ttacagtgtg tttgggggtgc agaaaacctt 60
ggctgacata ctcaaggctg aaatgcagtc agcggaaatg gaaacacttc aactctgccc 120
ctgtggcaag aatggcttcc cttcagacaa tctggccaga ttctttatgg acccaatggg 180
agaaattgga tgcttgata tacctctcag catctttgaa ggggcactga aacttcaatc 240
aaattgggga aagggagccc tgaactttag acctgtttta aatgtgcaga gtggcaactg 300
gcacaaggaa cactttccat ctgtaagaaa gaatacaaaag aacttggaac aagaaaaaag 360
tagataatctc atcagtcagt ggtgctgtat aggcattgcac aaagatggag atgtgagcac 420
cgacaagatg gctggcatct ataaggcagg aagagatacc tcaccagaac cccataatgc 480
tggcctctga cagtaaaatt ctanctgttg nactatgaga aaataaaatt ctgtgggttaa 540

<210> 170

<211> 381

<212> DNA

<213> Homo sapiens

<400> 170
ctgaatgaag acaaacttta gccctctgag actgatggtc tcagaaagta gtcttcagat 60
taccagcttc agaatcagct gatgggttca ctaaaatgca gattcccagg cccagtggag 120
actgaataaa tcttagtttc ccaggcttta caggaaccat ggtgctcagc ttctaaggag 180
gcctcaggaa acttacaatc atggtggaag atgaagacgg agcaggacac agagtccacc 240
ctctctggag aatgtagcca ccaggcacca tcttggaagt gaagactgga cctcatcag 300
acaacaaacc tgccagtgcc ttgaccttgg acttcacttc ccagcttcca gactgtgaga 360
aaataaactt ctgttcttta t 381

<210> 171

<211> 334

<212> DNA

<213> Homo sapiens

<400> 171
ataatgacga ctgcaaaatg gcaggataag gaccgtccaa aaagcctcat tgatgaaagc 60
aatgagaacg ctggcaaaaa tgatcagaat cggctttttc agacctctgg aaattaacca 120
aagatttgca gtgaggaatg aaatttcagt gaaaagcaat atcctagcag ccactggggg 180
ggagaactga agccgagctc ccccaaagcc tcttcccgga gaactgtcat tatctgagct 240
gcctctctgt tccgtggaag actctacttg caagactatc tttgcctgat tgactcggag 300
cttaaccctg aggaacagcc caggggcatt tggt 334

<210> 172

<211> 351

<212> DNA

<213> Homo sapiens

<400> 172
aacagtttcta gatctccatc gttataaaag agtattaccg tgttggtgta ccacaatttc 60
tcaagaaaaa cattagctaa gcccaagctg gatatttgatg gataacatgc tgatgttgta 120
acaaggctgg agcgtggcac atctcacaca tgcagggtgaa caccctaata ccacgcctat 180
gaactacaaa atcatctaag cagatttttaa attagccagt tgtttcccta ggatcctcca 240
aaggatgatca atacagtttg tttttttctt ggtggaggga tctcatgatg aactaatgaa 300
tcttaacatg aattgtaagc aaataaataa aatgggatgg ttttaagccat t 351

<210> 173

<211> 376

<212> DNA

<213> Homo sapiens

<400> 173
gcatacctca agatcagttg aattggagca cagctggatg gaggcctcag gttaattaac 60
ttccttttgag agcatccaga aaattagcaa ggacatgaga aaccattcac tcaggacgac 120
caatcagcca ggacactccg aaacctatta aatcagattt ttaatcttct aagcctgtag 180

acaactgtgt	gacatcagcc	acatcctcaa	atcttaaggg	aaacacgaat	acaagaatac	240
atgtgtgcaa	ggaatcatgc	ataaaaggat	tgtgccttca	gatcaagtcc	aactgttttt	300
atttgtcatc	aaatgtgaac	ggagatatgg	gtactagtcc	caggaatgcc	ataaactagc	360
agtgaatcac	ttcttg					376

<210> 174
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 174						
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taaaaaggct	acttgtcaac	cacgccattg	ttttccgttg	gagctagcag	agcagcctcg	120
gctgcacatt	cctgggacgt	gaataatata	ggttgtgatt	acacttcagt	atctcatcca	180
ttaccagccc	tgtgaacact	gaatataacc	taattaggaa	atgcgaaggg	ccctttgcta	240
gggatgagt	ctggggcagc	agaggtccac	atgccttccc	gacacagggg	ttcaccgggt	300
ttcagacaca	ggtttgatc	ctgcagggt	caaggacaga	ctttactggg	ctagtccaca	360
ttccttgtat	aatcaccagt	aagctgagaa	tgtgacacct	tggattccat	cctatgttac	420
actcctcttt	aaatgcattg	caaaggagat	atgccaggac	ttgataagtc	aagtcatttt	480
caaataggta	ttaaagtatt	aatgaagtg	att			513

<210> 175
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 175						
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gccagaaaat	actgcccaac	cagctctcaa	ggcaaagaga	gggtgtacga	gaagctaatac	120
ttcaaataag	aggtggagac	ccagctggca	gctagcatgg	tgcggcgtgt	tggaggcaag	180
aagcagaatc	tcagactggc	aagatgcaag	ggcaggcagc	ccaccacag	ggaaggcgctc	240
gccaatcttg	agcaactcta	gaagagaaac	ctgaacacat	cagaactcaa	actaactgat	300
aatgaactgg	ttttcattac	ttcctgagtg	atcaggagggt	agaattgtct	cttacaaccc	360
aatgtatacc	attctcagtt	gtctatttaa	ggattttctta	gtgagctcca	tggtaaaata	420
tatctacttc	tt					432

<210> 176
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 176						
aggggcagac	ccagggtggga	gtactgcagg	ccacgcccct	cgaagacagc	atccacgtgg	60
tcttccgata	ctagcaagggt	gtgcttgga	gccgggtgcct	caaggattgt	tctggaagga	120
tgacatcact	caagggtgtga	ggaccagca	gacagagcac	acgccctggc	tccatgcccc	180
agaggcccat	ctgaggagcg	gacaggcagc	ctttcccacc	agagtcacca	gggtgaggac	240
gtctttgagc	cattccctac	tctgagtcac	aacctcgtag	ctgattaagg	ccacatggga	300
agcttcccat	tcctcatact	tcccctgatg	ctctcaggaa	ggacaatttc	gggctgaacc	360
aaatctggat	tattaaagtc	aattttc				387

<210> 177
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 177						
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aagcatctta	ctgaagaagg	cccctacgtt	gactgtccag	ctgactgtct	ctaccgact	120
gctgtcccac	acaatatggg	ccaggcgatg	gtattgcctt	tgcaaactaa	atgaagttcc	180
tcaaagtga	gctgggtggc	acttcagagt	taacttttca	aatggccggg	cttatataga	240
ataacctttg	taaaagtaaa	ctatgatcat	ataataagat	acatgtgcat	ttggaacgcc	300
actgcttttg	gaacctgtct	cagtttttat	catcatacaa	ggttaattgt	ctaattgtcaa	360

ttagattttta tcacaagtgc atttgggtcc taatctggaa caataaaagt ctattaaacg 420

<210> 178
<211> 421
<212> DNA
<213> Homo sapiens

<400> 178
ggcatcttga agcagaccag ccacgttgca agtgcttga ggcacggatg actggtggct 60
gctgttctgg gagacagaat cctatagcat cccagtcct gcagcacaca ggtgggacaa 120
ttccagcttg atgtctcagc cagcgggttc ccacgtcctc ccgcctctc ccaggcagaa 180
gacagagtga cccaggtaac caggaaaaca aggccataaa aaaggaactc ctactaatga 240
aacctcctag attccaagga ggaaaacgta gctctcagac caagtcggtt ttcgcccttg 300
catctgaaag ggagtcgggg gaattgctaa ttttgaactt tctatacacc cttcctgcct 360
ctggatgtgg ccgcctgact cgaattcctt tgcacaataa aatgaggggg aaaaaaatca 420
c 421

<210> 179
<211> 115
<212> DNA
<213> Homo sapiens

<400> 179
aatacgttcc agaggacaag gactgtgttg ttcatacag tattccagaa cttaaaagga 60
actggcacat aattggagct tactaatatt cgtcaaaaa atgaacaaat gaggc 115

<210> 180
<211> 449
<212> DNA
<213> Homo sapiens

<400> 180
ataagagtga gcatttttgg aaatgtgatc aactgacgca aaatggcagc aacactggaa 60
ggaagaatca ggaggatatc ttagaagata accacagaat ctttgcaaga gacacagaag 120
actaccttac acctgggttc cacaggagaa atggctcaaa atatgttatt agttgaacag 180
taggaaaaat gtctatggtc ttttcagcac catctgtatg tagtctctga gtctccagtt 240
tctcatctat gaaactggga taataatatg caatgagagt tattctgaag atcaaataag 300
atagcatgtg aaagcagttc tagattccag acataagagt aagattaaaa gaaatgttgt 360
tctcaatttt cttgtgtcat tgctgctgcc atctagactt aaacaaatgt tactgtaaga 420
gccaagtaat aaactaacac atctaatacg 449

<210> 181
<211> 506
<212> DNA
<213> Homo sapiens

<400> 181
gtgattttag aggaataaac acccttagcc gtcagccaac attttacaaa tgaaggccag 60
caagggaag gagctcactg aaggcccatg ctcattaatg aggaagcaaa aacaacagca 120
cacagcctct gttcccaggc ccacgctcct cgattttctaa gcgctgttcc agtccacaca 180
ggacaagaca tccttttttc ttctagaaca acagctcagc cccacctgaa agaaagagtt 240
cattgatact ttttcaaagg cttcacaact cagctttttt ggagacttca gcaaaataag 300
tcattatctg gccaaactta agaatgaggn ttgctaaaatg tatcagcatt ctgaggnat 360
cagaagactc tgcacacttg catatctcac aaataccgnc aataaataca tagnttcatt 420
tctcattgg ttcacaaaaa aaaaaaggcc ggccggggcc ntnancttg gacttaanaa 480
gggtggaatt tnttaaaagg gggggg 506

<210> 182
<211> 510
<212> DNA
<213> Homo sapiens

<400> 182
gccccagcgg atggaactca taaataaaga gtgagaaatg caanttatgc cagangttag 60
aaagccaggc tccttgccac agcaagaagg ggatagctgc agcccacgga gaaggagaac 120
cagtaaagtt agcaaaaagca ggcagaagaa gtttctaaag caacatactc tgcaaagcag 180
tctgggccat gtactgtagg agcaagttgc cagcagcccc cgggagcatg aatggatata 240
gcaactgttg ttgaaaaaga acaatcctga tcaaccacaca tcaaaggcta atagacctca 300
tttaagaaga cagggaaatg taaatctgtg agatacttca ggatcatttc tatcaaaaag 360
cgtttcatac aataaaggaa taaagcctca gttatctgga agggtcnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnngg gggccggggg gggccctttt ttttngtttt aaccgcgnnt 480
tntttttttt aaaggggggg ggccccccca 510

<210> 183
<211> 379
<212> DNA
<213> Homo sapiens

<400> 183
gctcgggtgac taggaagagt ggctgaaagg cccacacctc gactcctccc tgcttctgat 60
agcctgagtc ctggggggaca gaggggaagcg cctctgggtt cccctctccg tgtgaggcag 120
acagcctccg cccaggctct gaggggccct aattcttctt aacagacagc agtttgaggc 180
ttctcccaga gtgacccagg agccagccca ggagtgggtc agaatagaca aaggaccgtt 240
agtatcccga tgtgaatttt agaattgtgta tatttcatac ataaaaatag aaatgtatat 300
gaatgtaata tagattatat atttattatg tatgtaaaaa cagtatgtgc acatgataaa 360
tgagcatatc tacgtctct 379

<210> 184
<211> 317
<212> DNA
<213> Homo sapiens

<400> 184
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ggtgtttacg ccagaagccc cactgaaaac caaacctgca accagcatca actgccaaac 120
atgtactgaa gaggtgaga tgattccagc acttgtggat gactgcaacc acatgagaga 180
cccagagcaa gagctacctg gctgagccca gttactccca gaatcatgag agaactatgt 240
aattgattgn tattactata taagccactn ngtttntntn tgatatgtta tgcagcagta 300
gacagctgga acaggag 317

<210> 185
<211> 378
<212> DNA
<213> Homo sapiens

<400> 185
gtgcagtga caaccacgac aggccttcaca tcactctacc tggtcagaag ttgccaccat 60
taggacaatt aattaaattc aacagtaaaag atgctgccat agttaatgaa tcatgttttc 120
cctggagctt tccacctatt caaaggacaa gtttcagagc ttggatgagg agcaactatc 180
ttatgaacac agagacattt gtcagtttta aagggtcaaat tagatttttg ctcagggttc 240
caccaaaaatg atagacttga aaatcaggat ttatcaaaact atgttctaaa ttatttcaac 300
atatcgagtg tattagtctg ttttcatgct gctgataaag acatacccga gactgggaat 360
aaaaggagga ttaatttg 378

<210> 186
<211> 688
<212> DNA
<213> Homo sapiens

<400> 186
ggntccccctc tgttgnccan ggctggnagg cnngggggcgg gaacctttnn taactggaac 60
cctggggntc nggggnnnaa ncctaactng cgggtgnctc gggcctggcc aaaggaagcn 120
ggggaattaa caggctcggc gccgtcacc aagccccgg ctaaaattat tttggcaatt 180
ttttttggta agaagaacgg ggggggtttt ngcgcatggt tttggcccaa gggcttgggn 240

cctacaaaaa	antccctggg	ccctcaaagg	ccgaatccca	acccccggct	ttcgaaccct	300
aacccaaaag	gtggcttggg	ggaatttaac	caagggccgg	nggaagcccc	acccggccgc	360
cccggggccc	aagcctggga	ataagtnnct	ttaagtgaat	caaanatgaa	cctggngggg	420
gcctgggaaa	ccctcaaggg	gggaaggggg	gccctnnacc	cttctnnggg	naaaacnnat	480
cctgggggac	ctggacaagg	gggncccttg	gcttccattc	accccaaggc	ctcaaaaagt	540
gaaagggggg	caatgaancc	tccgggctca	acctggcccc	ccttggaacc	tnccctggaa	600
gcctcnaaaa	gggaancctc	cccancctca	agccctcaaa	ggaanaannc	taagggacnt	660
ggaagcnaa	ggaanaccaat	tgcccccc				688

<210> 187
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 187						60
gtgactgcct	aatgttaaca	aagatctgta	ggaatgatgg	gaagggggcac	tggtacttnt	120
ctcttttcta	atccttcaag	tcataacctga	agatccgcag	tttttctgga	gacaggtgaa	180
gtccagcccc	tgaagacgc	agacagtgc	gagagaagag	cctacgtttt	tatatatttg	240
tcaaggtgat	gtctcaagca	aaatgaagt	gtttgtggct	gaaacaacct	ccacgggaaa	300
gaaaactgga	gtgttcgttc	atccatcaaa	gaacaaacgc	caacgtctga	gccaacgacc	360
ccagctcccc	cagacaaagc	agtgaacaga	ttaaaggatg	ggaggaagga	tacaatcaaa	404
atcgggtggg	gatggctggc	agataaaaaat	atggaacgct	tcac		

<210> 188
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 188						60
gcagaaggcc	ccanaaggnc	cgcaagaact	ccccanaaag	gccngcaatn	nttccgncaa	120
gaagggcccg	gcngaacntc	ccgcaagaag	ggcccgcgaag	aactcccgc	gaaagtccgc	180
cacacangca	aagggaaaga	tgcctcccgc	gtccaagccc	ggcttganat	gagcaggccc	240
gangagccaa	tggcgcaaaa	gaagngnccc	ggtntcccgc	atcgggnant	cctcataact	300
ttncctttcn	ttctggacca	aggtaaagcc	cacaagagnt	atggggaaaa	agngcttggg	360
gggaaaggaa	ancnggtggc	cggaagtcc	ttcttcccaa	ccaagggnc	cactnaattt	420
atngggagga	aacccaaaaa	ggcggttttt	ccttaaaaaa	cctggaccgg	gggacaaaaa	480
tccgaanngn	aacctggacc	cacttgcagn	accattggga	cctttccccc	taaacctttc	540
aaaatctnng	tgggaagaag	aagggccctc	aagaaggtcn	ntccactccg	cctattntca	552
atztatcaag	gg					

<210> 189
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 189						60
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atcatgaagc	aggaagaaaa	aaaatcatcg	acatttttga	ccatgcaa	gagcattttt	180
tttctgcaga	ataaactaag	gctaacaaaa	aagacaaaaa	caactgatca	ttcgtatgaa	240
aacctaat	tttgggtgat	ttttcaaaa	gtgggtcagct	aattatgtgg	tatcatctgg	300
accaatgttt	tctaggcaag	cctagatggg	caacttttga	gagagtttat	aataaagttt	317
gatttgttta	tgcatatc					

<210> 190
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 190						60
tgctgctttt	agaccagtcg	cacaccaggc	cgaagaggtg	agaggggtgag	gtgtttccca	120
caagaacatc	cacatcctca	ggatggatgg	aggagcaagg	acgagaaccc	ccaacccccg	180
agacagtttc	tggtcccttc	cttccaagaa	gccctacaca	tgatatccac	gttgaagccc	

tcatgcaaca	agctactcat	tcctcttctc	aaaggaagtg	ctgagtgtct	ggcaagttgg	240
aaagaatgag	ggattcttct	actgggttac	ctggtcagct	ccgaggagag	ttaaaccagg	300
aaaagtagtt	caggctggta	tacctccctg	tttgtccttg	agggcaactt	aaaagcacta	360
tttacacaag						370

<210> 191
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 191						60
catgccatgt	ggacgtgacg	cctggagata	tcgcacccac	cttataatca	ggaggaagaa	120
tgccacgtgt	ggaggatggt	gccacaggaa	tctggaagag	ctcgatcctg	gacgacttgc	180
tcaagcagct	gcacattcct	cctgccacct	acttctggat	attgtgttag	gaaactggca	240
tgagcataca	catccattca	gaggaggtga	aagtggagtg	actgatgcta	gaatccccac	300
cttctgagtc	aacggtccag	agaacaaggc	caaaacagcc	acaaataactt	ttcaggcttc	360
aggatcaaat	tttttattct	tgaatgatcc	aaacacttta	agaaaaataa	agtttctaga	420
ggaaatcaac	aaaagtgggn	nnannnnann	nnnaannnn	aaaannnnnn	nnggggggcg	427
gggggggc						

<210> 192
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 192						60
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aacactcccc	acctgagtta	taatttcaca	agaatttgaa	ctttattttt	ctgaggagag	240
tcacgtgatt	tgtcctgcgt	gccaaataaaa	ctactgatgc	cagctggcct	gaagaactcc	300
atgaagatct	gactgactaa	agaatgcagt	ttccaatcct	ggtgatttca	tcccccttat	360
cccaagcagt	caataacttc	tactttccag	cctcttgctc	tccacgatcc	ccttaaagac	420
tctagcccaa	aactccccag	ggagatggat	tcgaggattc	ctctgttcgc	tcactcagcc	453
actctgcaat	cattaaactc	ttttctctgc	tgc			

<210> 193
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 193						60
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aaactattca	acatntgcac	atactctcct	agtcactctt	aaggggtgtt	cataatgaag	180
aaactgaggc	cgtgaggact	gaggggcaat	gctgcagcaa	tgtcaagtcc	attcggtgga	240
ccacgtgect	tccatctcca	aagacacagt	ctgtgctcct	taaatacctc	ctgacaaact	300
caatgtgcag	aggcaagata	gagcaagttt	ctgctgcaaa	ctcaccacca	gtagtggatt	360
ctaagcccan	ctncctgcca	atgattcttt	gcagggncac	agcttctgtg	cctgttcacc	420
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tggaanaang	gacctcaaaa	ttttgtctta	ggg			

<210> 194
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 194						60
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gcaccaggaa	gtgagtaaca	gtcctagagt	gagacatgga	ggatacagcc	aagtatcaga	180
ggagtgtctg	ctcgtgctg	cttctacacg	tcaccgtact	gggggaatcc	tatgtgaagc	240
cgccccatgt	cctgtctgcc	tggatactca	ccatgcagat	agctctctgc	attcagcagg	300
gtctggctta	ggccctctcc	tgggggccc	agacccctct	gttcttctcc	agaccctgca	360
gaattctgga	gaggagagga	aggtggaaca	cacactttct	tnctgctttt	ctanggtgnt	

ggggcatctc tcttcttctt ttaactacga acttcacagn ccaaccactt tctctttttt 420
acaagcccct tggggtcctt caagaaccaa agtaaaaaaa agctttaaaa atg 473

<210> 195
<211> 127
<212> DNA
<213> Homo sapiens

<400> 195
ccattgacct ggatggacct aggacacaca ctaaaggaca catctggatt caccaaggag 60
ctttttatat ctcacaaaat agcatgttgc taataagaag aataaaatga aaccaaggta 120
caaaatg 127

<210> 196
<211> 311
<212> DNA
<213> Homo sapiens

<400> 196
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gggtganccg nnnngattgn cccacaancc ccgatggaaa cattcaanag gngaagtgcct 120
tgctcanaac cccctggcca ggcttaggag ggaaaaanta tgctttccaa ctntggcaag 180
aaattgctgc atccanaggc tgcagaagcc ccgaggagca tgaacatgct ttggaagaat 240
angcgctgcc ttgagtga ca tctgaacca gacccttaca cacacanctt tcattgggtgg 300
cttttgggggt t 311

<210> 197
<211> 497
<212> DNA
<213> Homo sapiens

<400> 197
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tataacctatt ctcatgttta aggaaatgag accagttgaa acgtccacat taaaataaga 120
agaaggagag aagggttttct aattgcagtt aatgtcatcg ttaaataaag aatgccataa 180
aggaacgaga tcagcagtgga ccttctgcac agtttccaaa gcctcgccaa cctacctccg 240
tgtcctggtc tgacttatgg cagaaacaga agttcaaaga cctggctgat atgctccggt 300
aaaaaccctt ccacaacgca gttaacattt tctgnnttct gactttcttt ttctaaagag 360
atgcttaaaag caaaaaangg ttcttgcccc aaaaatgaca ttaatatctt gtaaatcaag 420
aactaagata atggtttngg ctgctacaga gaccgttacc cttatgcggt tatctnaaag 480
cttttcgatt aaaacac 497

<210> 198
<211> 350
<212> DNA
<213> Homo sapiens

<400> 198
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ggaacagtcc ctgcaactct tcagagaaaa gaaaggggag ctggcccagg cccaagaagt 120
gtccctgggg gccgatgtcg gcaggaatcc ccgcatctcc acatgcggaa ctgagagaag 180
tgcttgagcag attcaatcat acagtgactc aaatgtcaca gcatgactat agagaaagaa 240
taatagtggg agcatcccgg ccaattttca acagaagggc tcaggataag gaagcttaag 300
aaaattgccg aagagaatga taatgacaat aataaaaaa aatagcttcc 350

<210> 199
<211> 275
<212> DNA
<213> Homo sapiens

<400> 199
caggtgaata aggtgggatt tgaaatcagc atggcagtg cagtggaag aaggagagctg 60

aagtttcttg	aggatgaata	taaagctggg	ggagttatca	ttgagcctaa	ctctctgggt	120
tggaccccat	aaacccta	caatatacct	cccaagttaa	caatagaggt	gagtatattc	180
taccttactc	catttccatc	ccaacttccc	cactttgtaa	actttcagaa	ctgacttatg	240
gaggtttata	acagccagat	atcaaacc	tagac			275

<210> 200
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 200						
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ttgacatgtg	atgcaagcgg	accgtttgtg	taaactgctg	ggagattaac	aacaactgtg	120
agtgggaattg	ctgagtcagt	tggcaaac	ccagttctgt	tgaacctcag	ggccatcatt	180
ctgttcatgt	cagctcgttg	tgaaccaca	tcgatgaaga	ccaagatggt	aaagatgaaa	240
aattgtagct	aacatttact	gcacatttac	tacaagccaa	gcattgcact	atgaagttaa	300
agtgcattat	tcattaaccc	cttcaataaa	atttgtaatt	ttcacttcag	aagc	354

<210> 201
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 201						
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caagtaatta	ctgcaaatcc	tgcccttggg	tcaaaacaac	cttgatgaca	tattccttct	180
gaagcacata	tactctttcc	ctaggtatat	aagccttggg	tctgggggct	aacggtgcag	240
ggatccatca	tctcacagcc	acccaagaca	tggcttttgt	tcaaaaatcc	ctattaaatg	300
tttcattctg						310

<210> 202
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 202						
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atcttcaggg	gaaacgacac	gagtaccctt	tgcttttcct	caacgaactt	cccttctact	120
tagggtttta	gggcatttgt	acaaatgatt	tgcttccttg	gtctgaatct	tggggatggt	180
tatcattttc	gttgctttca	gaaaatagtc	tgcatcttcc	tctattacct	ggaccatttt	240
cctggctttt	taaaaaaaaa	ttattattca	aatggaaaag	cggcgagccc	agaatgagcc	300
gacgaattga	gctcttcctt	ctctcgaaca	cgggggcacc	tctaccgct	acagacttga	360
agattttact	cacttccctt	catccccctg	ctcgggtttg	gagggtaggg	gcatgaagtg	420
gntgaatcta	aactggcaga	aaaccc				446

<210> 203
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 203						
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tttgctgaag	aggagaagga	aaaaaaaa				88

<210> 204
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 204						
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gaggnggctt	gagtangatt	tgctgccagc	taaagcgtga	gatgctattg	catgtgcaag	120
gcaaggcttt	cttcancggc	atcatcttnc	aaaatagccc	agngagcatg	cctttctcct	180
gaaaaataaa	aaatagttgg	tgtttactgc	g			211

<210> 205
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 205							
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caaagagaag	gggacactgc	accatggagg	tgacacaggc	cagtggccac	ggtgctggac		120
ctggggctga	gaggacccac	atgtatatcc	tggccgattt	aggtatctta	gactttctgt		180
gcctcacttt	ccttatctgt	gaaatcagca	ttctgatcat	gactaaataa	aaattgctgc		240
cattg							245

<210> 206
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 206						
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gctcattctc	tccacttggg	aaggaggcta	caacttacag	tgtcaagatc	ttaccagcgc	120
aggggaagct	gacatccgga	ggaccaactg	aataaaccac	agcacatcca	cgtagcggat	180
gcctctacca	agtggagtga	ggaagagctc	tataccgcta	cagaattgtn	tctgggatat	240
agttacatga	acaaaagcaa	cttgagagcc	gtgtttatag	gatagcacc	tttgtgcaat	300
aatgatatg	aatgcaaaaa	aaaaa				325

<210> 207
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 207						
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aatcaaggga	taatggcatt	tgagggttcc	tcaatgaccg	cccagccaca	tcacaccgga	120
gtggagcccc	aacctgagag	gctcttacc	agagcttcca	gtcggcattt	cagtggatca	180
cttttaaaaa	taaatggtga	tggggtgatg	gaaatgctac	ccccaaaata	cg	232

<210> 208
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 208						
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aggatgatgg	aagaacaaga	gagaagcagg	ctggttcttt	gacattggac	agccagagtc	120
ccagccctgg	atggcctggt	ccagacatct	tgtcaagtg			159

<210> 209
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 209						
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tatcagggga	gacctgttgc	ctcacttttg	tcccaatgta	tgacctgttt	ccacagagaa	120
acatgcagga	gaaattgcac	agatagaaga	actgaattaa	caatctccaa	gactgctgag	180
tggttttgat	ctgccttgct	tactttttca	gccgctttat	atgctgaaat	gtttccagtg	240
caaccagaag	tttcaagtgt	aaaattctgt	ctttcctctt	ctgttatattt	aagcttttaa	300
gacaccatac	ataanagcaa	ataaatgac				329

<210> 210
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 210
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 tgnnngcagn aaagacagan agcatncacc ctaatacctt agttatgaan actacagaat 120
 cagtagaaga aca 133

<210> 211
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 211
 gttctgcatg ctgataaaat gatcaacacc tgctgggtctg aagggtctag caagaaactg 60
 actcatggga gaatgactt tccatattct aatgacttca tcccccttac cctgacccaaa 120
 cgataacccc aattttctaa ccccttgccc tctccaatcc cctgaaagat ccttgcccag 180
 aacccctcaa tgaaatgaat ttgagtctcg agaattcctc ctgtttcttc attcagtcac 240
 cttgcaatta ttaacaact tgtctgctgc 270

<210> 212
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 212
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 gctggccttg gtgggacttg ctcagggact cactgctggc cttggggagn acanaactca 180
 nggcnttgn attccgaaga ncnnngtctn ncncctgcaa ntgccgttnn cagaatngnn 240
 cccaccccag gaggatcacc catatncaac nccnggagca gntcagcca cncnnaaac 300
 aagggggaaa cgccaagccc attacattag gacttttccc tgccatcact gggct 355

<210> 213
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 213
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 catacatcca cagccccagt cggctgtatc catgaagagc tgaatggaac aggatgactg 120
 gcagcccacg ccaagggcca agagatgtga aggtagaagc aagaagttag aatgacctga 180
 ggaagaggtc acaagcccag gaatgccagc agccactaaa agctgaaaaa aggcaaggaa 240
 atgagttttc ctctgaagct gccagaagga acaagcccag ccaatgcctt gaccctagcc 300
 cagtaaaatt gattttgaac ttccaaaaaa aaaaaggncn gngngggccan ttnagntngg 360
 acttaaccag gnngaacttg ttnaaaaggg gggggggc 397

<210> 214
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 214
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 tagtctaagc tcccaaagaa ctggatgcta atccctgtcc tgataactaac tcaccctggg 120
 acattaaaca ggtcaaaaaa c 141

<210> 215
 <211> 96
 <212> DNA

<213> Homo sapiens

<400> 215
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gctatactat acatgtaatt aaaagttaatt tatctt 96

<210> 216

<211> 305

<212> DNA

<213> Homo sapiens

<400> 216
aaagaaaaac tacatggaat gaggaatat accactcctg ccttcaaaat cctcttcgtg 60
aggttttatag aattcctaag aactcaggaa agacatcagc agagagcaat gatcgtcata 120
gccagctcca cacagaatgc acccaccagc ctacttgctg aattacaacc tgatgatgga 180
tccaccagaa actaagaatg gaaaggttat aaagaaatca cagcattcat cttctggaag 240
aaaaagacta tttcttagaa agtaaaataa atgaataaaa gcacttaata aggagcataa 300
cgcg 305

<210> 217

<211> 427

<212> DNA

<213> Homo sapiens

<400> 217
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ttcacc 427

<210> 218

<211> 438

<212> DNA

<213> Homo sapiens

<400> 218
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cgaagattcc agaaaacaga acaaaccaaa agaaatggtg accactataa ctgggcaactg 420
tggagcctgc cctatctt 438

<210> 219

<211> 424

<212> DNA

<213> Homo sapiens

<400> 219
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aagatattca tggatatttg aaactcttat aagcaagaag tccgaaaagt tcaagatact 120
tctgtagaat ggtttaattt aaaaagtggc tgctatcctg gatgggggta agaagctgct 180
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accactgtta tttcactgtg tgggactgna ttcccaanta aattgagaat gtctaataga 420

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<210> 220
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 220
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 atgcaaagcc ccaaatgaca accaccacct cctcgaacct cagagggtctg ggggcgtccg 180
 gctggaactg gggtttaaaa aaagaaaatg ttacaaaagt ataacaagat gtttgatggg 240
 tggaaaaatg tatccacgag ttacatcccc ccgtttcctt gcaaagcccc gctgggtctt 300
 ctctcctttt ctcttgcc 318

<210> 221
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 221
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 ctgaaactat ccatcagctc tcctggttct caggctcctg gattcaagct ggaagtacac 120
 atcagggtctc ctgggtcctc agcttgatga ctcgagatct tgggaattct cggcctctat 180
 aactgtgtgc cccaattccc tataataaat ctttgtcttt ctctccc 227

<210> 222
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 222
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 tgaagaaaat gctgctctgg ggacactaat tgaactttca tctagcaggt cctgtgccct 120
 acctactcaa gaacaagttc tgtttgatga agaagttaca cagctgcaa gttccctcat 180
 tctactacct atctaccccc aaattcagga atgtctccat atgttgacta tgcngacttt 240
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 agcttactaa actataaatt gtcaactgta ttacatgata aagcagatgt gtccatacag 420
 taactctttt gctaataaat gaggnctaaa ttccaaaaat ag 462

<210> 223
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 223
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 tgctattgaa gcaccttaat gacataaaga agaagaaacc aatgaacatt gttatatatt 120
 tcatttttaa ctgatgtaga ctttttgagg aaatctgcat tttgaaccag gtttaactgtg 180
 gaatgccctt ggccaagagg aggggtccat ttgatgattg gatggcctta gaatttattt 240
 ttgggttaata gtgccacaca gctaaatcca agagagtgtc ttagaaaata aactctggaa 300
 acatatttga gaaactaata agaattgatta actgtagagg gaagtgtcag gcctctgagc 360
 ccaagccaag ccacgcacac ccctgtgacc tgcactatat gcccggtatg nctgaactta 420
 ctnaagaatn cccaaaagaa agnggatttt tgcccttgcc ccccc 465

<210> 224
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 224

accattagaa	tgtgacctct	gtgaagacaa	cagaaatgga	ggaggcgatc	catggggcatc	60
ttctgaagct	gttttggtta	actttgat	ggaagtccctg	gttccagggtt	ctcctgtttc	120
ctgggaccag	ctccagaagt	tcattat	cataaataat	aaatgaatgc	atactaggga	180
ctgg						184

<210> 225
 <211> 124
 <212> DNA
 <213> Homo sapiens

tcttaacctt	ttgagctccg	ttcagcctgg	ttaagnccaa	gctgaattgg	ccnattcctt	60
tngcctttt	accctggaag	aaatactcat	aagccacctt	tggtatttac	ccccaatctt	120
caca						124

<210> 226
 <211> 374
 <212> DNA
 <213> Homo sapiens

atgaagatca	ttgagattag	agaagaaaat	gggatctggc	caaggacata	caactaagaa	60
atggcggtgc	cacagatgga	gaaactgaca	ctcagacagg	ccaactgatc	tgcccacatc	120
aacgagctaa	aaaaatggca	aggccaggat	ttggccctag	gcctgcttaa	ctctgaagac	180
catgtgcccc	gtctcctgcc	aggccattta	catcctcagg	aggattgctg	cagccccagg	240
acaggcgatt	gccttttacc	accctcctgc	cagaccacac	tgctgctgtc	cctgctcctg	300
taccccaatt	ttgctgggtt	gaaaaggggtg	aaaggggtac	cccactgctt	gttgtacccc	360
accccaaatt	ttgc					374

<210> 227
 <211> 318
 <212> DNA
 <213> Homo sapiens

atgcaatgaa	attaacctct	ccttccaaga	acagcatgca	ggcagctagc	tggaagact	60
cacacttgag	tgaatagcga	cagctcgccc	cttctgcgct	ttgacgctgc	tgtctctact	120
ggccacttgg	tctaccagtc	agttgtgccc	tgtatgtacc	cagccatggc	tggaagact	180
cacaaccaca	agattgccta	tcagtaggaa	atacaggaaa	ttacaggatg	ggtatatgag	240
acatatgtgg	tgatataaaa	gctcaatagt	agtgatataa	gtgtcatatt	cagaaaataa	300
tataaacttt	cttgctat					318

<210> 228
 <211> 502
 <212> DNA
 <213> Homo sapiens

gcccagaggg	gactgtggac	ttggtgccag	aaaagaaaat	gaaaagcaaa	agttgaatct	60
ctgcggacca	ttctctggat	gctgaatgtc	ccactattac	atctcggcac	gacatttcat	120
ggccagcagg	ggaggaggcc	cagtcctgaa	agctgaacaa	acgcccggca	cacaggcctg	180
cctgcgcctt	cgtagtctct	ctggacttat	gaataaaaaga	tgagggtttt	gtctctgttg	240
ttccctgggt	accctgtaag	aataacaact	tggtgctttt	tgacatttta	acttactttg	300
aaaaatgacc	aatattaact	ttacatgtct	tgcccttaa	atctggagtg	gggtaaaatg	360
aaagaaacaa	aagccatgta	attangnaga	agataataat	tcaaggtaaa	ctaatagaact	420
gnctgnaccg	actttattaa	aanatggngg	gacatgccat	ccnaactaa	aagnttaaac	480
ctgacttggg	ggaaccttgg	gc				502

<210> 229
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 229
gagacactnc ggaaggcnca gaagatagaa cacagagggc naggccatgt gaanacagat 60
actgaaattg gagtgatgca gncacanncc aagggaatgcc tggagccacc aaaagntggg 120
agangcanga natagactct cttctatagc ctgtggagct ctggtataac cttgnttttg 180
gatttctgcc ctccagaacc atgacagaat aaagtctctgt cttaagcc 228

<210> 230
<211> 395
<212> DNA
<213> Homo sapiens

<400> 230
ctccttctnc aaaaagtgga atccaagttg tctacccttc acaactgaac tggctacatg 60
acttgctttg ttcgaactgg ctgcatgact tgctttgttc aaccaaagtc tgcagaagtg 120
acggtgcaac acttccaaac ttaagaggct ttgcatgctt ccattccctgc tcttgatttt 180
gagccacccc tgtcacacca gtcaataagc tggctagctg aaaaacgtat aagtgagcct 240
gtgccaggcc agccagtgtt agctgacttt tcacctaaact gcagacacat gtgcaaaccc 300
aaccacaata agccaagcct gaccagctc aacagaacta tcagggtgacc tatagacata 360
cgaacaataa taataaaaca aaacctaagc cactc 395

<210> 231
<211> 178
<212> DNA
<213> Homo sapiens

<400> 231
gtttccaaa ggatccaaaa aactgagagg gaagagattt ggggaagatg tcacttttcc 60
tcattctgact ttgccttggg gtcagatggg agaatgactc ctggagaaca cttagccttt 120
tccagctttc cccaanaaag gctggccag ggaggcttct ataaaccttc tccctatg 178

<210> 232
<211> 299
<212> DNA
<213> Homo sapiens

<400> 232
ctcaccagag acctcaaatc cttacctgga ggtcaaaaaa cttgctgtag cgccggtaaa 60
tggcctcngt ggagccgntg gaccacgtga cccggatgat gtacacctgc gggagcaaca 120
aaangagatg ggtgttaaca ccagaagggtg gtctcccaat ctctgggacc cagggggagc 180
ncaagactca nagtcanaaa gacgtgggtt tcaaccttag ctctgccaat gactggctgg 240
acaagttgct tgctgtaagc ctcatctccc tctcaataa aatgagtgtg ataaccccc 299

<210> 233
<211> 137
<212> DNA
<213> Homo sapiens

<400> 233
gngaggatgc naaganaaaa ggtggctgnc tgnaaccagg gagggagaan ctttcccagg 60
gaccaatcta gcttgaactt ttgactttgg acttcaacct ccagtattgn aaagaaataa 120
atatgttttc aaaagtc 137

<210> 234
<211> 216
<212> DNA
<213> Homo sapiens

<400> 234
agatatggtc tcaactatgtt caagtctaag actcaaaactc caggactcaa accatcctcc 60
cacctcattc tctcaagtag ctgagactac agggatcgaa agatgaagaa ctcttggtga 120
agtcataaac tccctaatta cttattatta acagtgaata tctgattttc aaagttgttt 180
aatggtcatg caataaagca atgtaagacg actgcc 216

<210> 235
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 235
 gtcttttgga ccagattgga actataccat tggctctcct gggtttcaag cttgcttgct 60
 gactgcagat cttgggactt ctcagcctcc ataattatgg gtgagaagca ggagctcaga 120
 gaaggtaaaa gcatcaaaaat caccacagca acaaagattt ctcaggaaat tataaatgct 180
 gagaacagtc ttgttttcct tgcgttgga ggtgactcac tgcatagata tgatcatctt 240
 cagagcctca ttataggttt agcaattaca ttttaaaaat t 281

<210> 236
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 236
 cttgctagaa gagcactgga gatagagtgc gatacgcctt aaaggacaag ggaaaacagc 60
 tcccagtgga tggtagacac atggcaaaaag gccaaagagta gaagcaccgt cattaggaaa 120
 aggaatcagc caaggtccca ggcaagaaga ggtgaggcaa atggaggctc tgaggaaagt 180
 ggctccaaaag cctacatgat ggaagataac tctggaagag aaagagatga ccgttcctaa 240
 gcttgatag caaaacttga gagaaggtaa cgaagatgtg acatctgaac tcagagaaat 300
 ataacttcta tagaaaagaa acaaggcctt gcagctctat aaggaacagt aaataaatca 360
 agtatgcaca caagaagtaa aaaaatatat ccnagtagaa aggaagcttt tcattgaaat 420
 gnccccagaa ctcatgctct tgganggccg ggatngcaaa atcaagnntt tttttaaaaa 480
 ctcctacccg g 491

<210> 237
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 237
 aggataaaaa agaagtaaga aaatagagtc tctgaatata gatctttcaa ctgaaaaact 60
 gggctgtgaa gcttttgga tccaagtaca gcctttcctg agtctccagc gactggcct 120
 cccccatca gattttggac tctccaagct tccacaagca caggagccaa ttccttaaaa 180
 taaatctgtt tctatatcc 199

<210> 238
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 238
 cccccaagga ctgggatcaa tattggaac ctgtgcttta gttcttccac ctctgctgct 60
 gctatgctgt gtgacctcag gactgggccg actgggagca ccatgtggag aacagagaca 120
 aactggagtg ccttggggag gaaggaggag agcacagtct ctgagtcagc catgaggcag 180
 agcaaatata agtggatcat caggaagaag agtgctggtt ctgctggggtc ctaagaggga 240
 gatgtacggg ggggtgtgct tgttcaatat gacaacacta cc 282

<210> 239
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 239
 attgagcacc tgagagtctc aagtaacaca cctgggttgg ctgctttgct gaagacactc 60
 cgtacattgt gacttggtgc tctcaccatc aacaggaatt gggctgtgca agcaattctg 120
 aaagaagtgt tgtctactgc tgtgaaagtc atcaacttta tcagacccca gtcttgacct 180
 cagccttttc aagaaatttt gtctag 206

<210> 240
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 240
 cacttggcac tgtacnaaac accttcatat ataccctgtc accctgactg agcaggatcg 60
 ctacagttcca ttttacagga tgaggtgaag acttttcaaa gccagagctc taccctgata 120
 gcacaccgtc aggatgttca ggaagagcct catgggttat tacagctcag gatgcatcca 180
 gacactgtct ccatggcctg cggagctgct ctctgaggac tcacttcaact gcccctcatt 240
 tcccaggctc atggagatat actacctgtc acctctgggc ctggagggca gatggaggta 300
 agatgcaaag gaagactgcg tcgtcaaagc agatggaagc attccctaac acctggggcca 360
 tcctgggtcc taacttaatt actaaagaat aagggagatt tcaaagnaaa atgnncagac 420
 atttgnttat ttgaacataa aactgggggc ccnccaccag tatttttgga ac 472

<210> 241
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 241
 ccttgcaaat angtgatttc ctgccagtc ctgcctctgt gaccaacctt gattgttcaa 60
 agtatagctc tgcaagcagt ggctacggac agtttccaac atgcaagttc atctccgacc 120
 ccacttcac atctctcctg ccccagcac tcctggatgc tatgctgaat tgttttgga 180
 cctttgggtt gtgagccttc ttaaaccctt ctttcttcta ctttattatt atcattgtat 240
 tataaaagca atagatgctc attactttaa aaaatgtaaa agc 283

<210> 242
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 242
 gcactgtctt cataagtcca caggtctcaa actccagcat ctcagaatga aaggattcac 60
 aagtgtcac aagaggcttg gctgccaggg gaagctccga cctgaagatt tgaactaatg 120
 agggactata aaggccaaga ccttggtctt gccattttag agattcagaa tataatctac 180
 aaagttagag att 193

<210> 243
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 243
 cctgcagagg tcanggagag agcccgatgg cggctcttaat gaagaggaag gaggaaagga 60
 cgcagctttt tttaccccc ggcttaattt actccgtatt cggcttaact tactccctat 120
 tctaccctcc ggtcttcaag ttcccttaag ctcggtggcc tgttaccag taaaactaca 180
 aggaaatggt ctgtgtggtg aattttgaag ctgtccacag tacagatact ccagtgtctg 240
 cccttccaga aaagagctgg acctaagggg tectctgtc tcacgtgcag actcccaggg 300
 cgggattaaa aaggcaaaaa tccnnngttt cntngcaa atccnngnant nngggnnnga 360
 nntnntntg ccncnnttg gganggaang aancanaatt aatttngggg ctntaaaggg 420
 tttatttata aangggcttn gggnttctat tttattgggg aanaaatncc ggganttaaa 480
 aatntaaaga cccctttcca a 501

<210> 244
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 244
 gttcttcccta acaagaagct acgaagttct tattcagaaa aacggaacac gacatcacac 60
 ccacgtgaaa aaaacgcttt taagaggcca agtcactttc acctcccacc aacttgccaa 120

aggctgaaag caggcggaca cgcceccaag cgctcttctc cgatttcatt ggttgccccg	180
gcctgctcct cattaggtct ctctcactgg tcagcaatgc cgctttcaca gccaattctc	240
agaaccaatc atctccaact attgccccgc ctctccacca cgtgagtggc ataggtgcca	300
accaataaaa aaagaaaata aggatgt	327

<210> 245
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 245	
gcangggcnc cngngggttc aagggtacaa taanctgcga ncgtgccnct gantttctacc	60
tgggatgaca gagtgggacc ctgtgccaca aagagagacc	100

<210> 246
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 246	
aaggctgtct cctgcgagga ccagaagttg agccaaggca cgtggaactt acaatagcag	60
atggtaagaa ccagggcaga aggagaactc ctgaagcctc cgaaggaagg aaatcattac	120
agggccctac agaagtaggt catgtgctac agctgctcat agtttaagag gaagaaacat	180
gggatctcaa acctggaaca cgactctttc aaaatgcctg tgagcaacct aagaaaaaca	240
tcctcctgag gcttatctaa taaccatgat ctctaactgt ctcaatgtgt gctcatgttt	300
ccttaagaag tttgcaccca cttctcagag ctaacgagat gccgaaacag aacacagaaa	360
aaagtaatga aggagattta ataagntgng ntaaaagctna tatggggccat taaggggcng	420
gcttttttta aaacaanggg gnggaaccgt tcccctnttt tttggnggaa aagnnttttc	480
nggggcangg acctggaac cattc	505

<210> 247
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 247	
ataaaatctc ctggcagaga aaatggacag tcgttccata ccatatgtct tctcagcttc	60
aaaatcaaca acaacaacaa caacaaaaaa ccccaaaact tccatcatct gcagaagtca	120
aataaaaactt tcaaaacttg	139

<210> 248
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 248	
ttgtaaatta tgctcatgaa aagagacccc agcatctttc aaactgangg ttaaccttat	60
tatcaggata atcaccaatt cacaggaagt tgcaaggatg gtatggagag cttccattta	120
ttctcgggtt ttcccgaatg attacacctc acataactgt acctcaggaa actgaagctg	180
gtacagtgtg tgtgtatagt tccatgccat ttcgtcttaa gtgtagatct ccaatcaaat	240
aaagaaatat cctgtcacca c	261

<210> 249
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 249	
gtgggggtctt tcagtatgta caaacatata tgattcagga taaaagatgg atcgtaccgc	60
ttctcaccac agaaaagtaa ccggagactc ttctaagaaa tcgagaaaag aacgcccttt	120
ctctgcccct cctgtctaaa gcgcaacata ataatcgaat ctcccaagct tcttaggggtg	180
ctgagtggtt taatccacca gccctcttca actagttaat aaatcctttc cagaccgaga	240

g

<210> 250
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 250
 gnaanctgnt agnncatgcc ngacaccttn tctccatgcc tgcncctttct gttccaagcc 60
 atntgggtgga agcaatccaa ttgcctgcag aatcatccga aagcatcact gggagaagagc 120
 tgggtggaact aagaagcaat tcttttagcct gacagccagt ctgttttttag tattttctaaa 180
 catgaaatca tctcaggaga agccaagggc tgctcgaggtg atttgcttga ggtcctacaa 240
 ctcactactg actgtgtttg gaggaaggaa gtaattaact ataaatgtga ttataaggggt 300
 ggggccttaa tctgatagga ccagtgtcct tataagaaca ggaagtgtgt gccgttact 360
 gaggaaaagc catgcaagaa cacaaagaaa angcggtgt cttgcaacct ngaagaaaan 420
 ctttgcttaa aactaatcct gccgggcctn ttaatcttgg naattccagc ctccaaacag 480
 nganaaataa aggctggtgg ttatg 505

<210> 251
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 251
 agaaacaaat acatcaacgg agacaacttt ggaacaatg gaaacaaaga accaaaaatg 60
 ggctgcaca taaataaaaa ctccatatac 90

<210> 252
 <211> 589
 <212> DNA
 <213> Homo sapiens

<400> 252
 aagaaggggg tttccgccat ggttngccca ggctggtctc aagctcctga actcaagnga 60
 tcttcccncc taagcctccc aaaagngctg gggattacag gcactgccca cgactcccag 120
 cctgaaatat annattttta tcttcagctt gcattttgtt ctaaacaact tgttttcaaa 180
 taagaaccgg gcagaaccaa gtttaagcca ccatttgttn ggaggccaga atcaatttta 240
 ttgggtgggt gttcaaaatn gggaaactggn actaagcctt ccttcttccc ctccatcctt 300
 cctagcccat tgnngcangg gggaaatttt tctcnttttt tggngggggg taaaacaact 360
 tctttccctc attctgggaa ttngcccttc aacctaatg ttggacaaac cgaaaaaaat 420
 ttcaaaggcc ccccaaaaaa taagcaaggc aaggcttacc attaatncct tttggcatgg 480
 aacaangggg gaaaattttt ttttggcctt aaanggnttn gggggcctag ccaccttgaa 540
 aaaacaanna nggcccgggt tnacctttcc gaatcntggg gggcttcca 589

<210> 253
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 253
 gttccaggcc atcaagctac aaanggactt accaatgggtg ccttnaaaag agctcaacgt 60
 gcggnntntn ttgngacat cacgggnccn ananaaaatg gnttaattta tgtaacaaat 120
 cccctctgga ggacaccana actgnngggc cccttntttg ccctnatccg cngaaagnag 180
 cccgaatgac cactncccag gtnccaacag cananggggg ggccnntcna aaaacnagga 240
 ctgagaggag ggaccccccg gctttctggg tctgcnggg gctcacaanaa gttgtgaaan 300
 tcattttatt tcttgntca agacnttctt ntgtgctggg gngaanaaaa attgaaacat 360
 atgcttttaa aaatttctaac aaccacggag ttgngcattg tgttttnttn ccccaagaaa 420
 agcttttaac agnggaaaaa tttgntntna agcttncctg ggggctctnt tcttggggtn 480
 cctttccttt tccctgaa 498

<210> 254
 <211> 303

<212> DNA
<213> Homo sapiens

<400> 254
ggccttcacg gaaactgctc tgggtgtcaca gaaatatatc caaggatgga gtgtgtacgt 60
gtacaagctc gtctgaaaag agttggcctg caaatgggag aagctgtcca agaagtattc 120
tcacaatgaa ataatacatt tattttgtcc ataccgacaa acaaccagtc aattcagctg 180
gaggaaaaaa caaacaacaa aacaaacatt ttattttcca aatttgtaat gagttcgctt 240
aattattttt ggtttattgt gttatctaca tagttgaatc ttaaatctga attttcataa 300
ccg 303

<210> 255
<211> 441
<212> DNA
<213> Homo sapiens

<400> 255
caggatggcc tagatttcct tacggcatcg aggacgagat ccaagacagc aaaagcagac 60
tcngccaagc ctcttaattg caaggccctg aagcagcaga gcttcacttc tgccacctcc 120
tattgggttaa agcctgtcac aaagcctgct gagattcaga aaaagagaga tagaaccac 180
ctcctgatag aaaaaagctg cacatgcata aagaaaggag aggatttgac agctatcttt 240
gaagagtatc tgccccatta agccatggga tattttcccc ataaaagaaa ggactatgat 300
ctggattgta gaaactgatc tatagacatg aatctgaact taagagaatt tgactaattc 360
catctgntca aactggcatc actcacacat atttctgnaa ggattcactc ttccatgggt 420
agcctcaata agaattcatg g 441

<210> 256
<211> 431
<212> DNA
<213> Homo sapiens

<400> 256
aaaaatcctg cctcngtgc tcttgagtcn ctncntngcc tncaggnggg tccctggcnca 60
aagggggggt ggcataccag cttaaagaac tgtgttcnnt tgnctgcaac cctgnagtac 120
anngnatnng aagncctatg ctgctctgan ggcgtcggaa tatgngancg atccttgcc 180
cctactanac tctggtgcag ggctgcanat ccacaaagcc caagctgcag caagtccgaa 240
ggcgcnccgc anggggagtt ccttctcagg agactgnggc tttgctctta cggccttcga 300
cagaatggat gaagccccc cccctnttgg anggtaaccc gctgcattca aaggcnaccg 360
antnaactat taatectatc tnaaaaacng gcttccanaa acaaccacac ttgtgtttga 420
acaaaaactg g 431

<210> 257
<211> 332
<212> DNA
<213> Homo sapiens

<400> 257
gagcctntnt ccctggcaaa tgggcttcac tgttcatcac agaaacctcc tgaaggaccc 60
atctactctt caatcaacag ctgggtgccct acgattctct gaatcccttg cctggcctca 120
aaatccctca cctcatggct tccaccagtc ctggactact gtgttcctta cacaacccta 180
accaagcccc cacattgaca caccacactt aaagagnact gctaggcttc agaaaaccca 240
accttgctc cttcctccca gacaggccaa agccctctgg aatcagcgcc ctcccttcgg 300
caagtgaagta ataaactcag ctttgccctta cc 332

<210> 258
<211> 309
<212> DNA
<213> Homo sapiens

<400> 258
gtgccaatat cggtcagaga acaggatttc agtggcagag ttgttgctat actgttatct 60
cttcagaacg gaggcacaag gagagatgaa tgccacatcg caaggagcaa aggagagaga 120

gagaaagaaa	tggtgtcagg	tgccatgttg	gatgtgattt	ttgttttagt	agagattgag	180
atgactgtaa	attgttttagc	tgattccttc	ggtctgcaaa	gatacatttg	tggtgggtgct	240
gatggttctt	gactaatcct	gtttcaatta	caaattgggt	atgtttttca	aataaaaactt	300
ctggcactt						309

<210> 259
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 259						60
gctttggaag	gagttttaa	ac	cttaagctta	ccctttcaat	catccactac	cccagggaca
gaaggtgggg	aaaactcaaa	ggc	acangct	tgtactgaga	agttttgagc	aatggagaag
aaagtgggag	cttctgactg	ac	cttagccc	accacagtca	ggctncaaga	ngggagatgg
cctgggntna	tggtctgcctt	t	ontctgggtg	nnccttacct	tttgggaaaa	ccccanggn
nagaaaagtc	ttcaagtcct	gtc	agactgg	gaagtcacca	actcccaacc	tnaggaagca
gcccttggaa	angagaagga	tg	agattttc	caaagctatc	tcttaccact	tcccttnccc
catctcattc	cntccatnta	tt	ggggagaa	gncctctnaa	gttnggcctg	angcttctga
gggattg						427

<210> 260
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 260						60
acatggaaac	tgaggaacag	ag	agatcaca	tatcttgcac	aaggctcctac	agttggagag
agaatgacta	tttcaacaat	gg	caaatagg	gttcatcatg	tatgcacact	ctgattgctt
tgtgggtggct	tcctggatca	ct	gggttgaa	aaagacccag	gctctgtagg	aggtgggttga
ttaatgatgt	ctgccattca	ga	acaaagat	gtagcagcag	gtgtacctca	tttttgctgt
ctctggacta	ttccattgaa	gc	cttttagtt	cctggattat	ccaattagcc	ctagctttcc
tggcagtgtg	atctccctct	gc	cttaatat	cagccctcag	ccctcgggat	tcttctctct
gatatccaca	ctcattgcct	tt	gtctctct	gngctcccta	aaacaacgac	ttttcttccc
caagccnaat	tggaantaan	tc	ctacctcc	agnngganac	tggccccggt	cggcagcc
						478

<210> 261
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 261						60
gaaagtagcc	aaatcacctc	c	ctggctctg	gaaggggtgtg	gaagtgggtgg	agtaagagtc
ccagcccaga	taagggatca	cc	accagaag	atgaagaaga	tggtatgtcc	agagatccaa
aggcaatgcy	ggcctcacag	tag	atgccag	cacacagtgg	tgacaaacgc	ttggacaaaa
cccatcaatc	tcatgaacag	c	agagaggag	aaacattgag	tgaggatcag	cagcctccta
gagcactagg	ctcctgcac	ag	tctcctgc	aacttagata	ccaccttgag	gtcgggggtg
gtgacagggt	tattgttcaa	tt	gatgagtt	tgtttcaatc	taaaaaaaat	taggtggggc
ccagaatgaa	ctaagatgat	gt	ttttctgt	cttgganggg	accgggcctt	ga
						412

<210> 262
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 262						60
gctccagacc	tgtgtgtgca	ng	ctgcctcc	tggatgcccc	tcggttgtct	aatggacatc
tcaaacctca	catgtctcca	ct	tgaagagg	atgagtttca	tggaaacctga	gcatgcccac
atgccccctac	tcccttgtgt	g	ccccacac	cgtgcctgct	cttccttcag	ttgatcaggt
gaaaaacctca	gagtcacttt	ta	acacctcc	atttctctcc	tgtgccaaca	accaaattat
atccaaaatc	tgaccacttc	tc	accacttc	cacatggact	gctgtgttca	agccaccacc
atctcttgcc	tgcattagtc	c	agcagtcctc	ctanctgaca	tggggactga	gattcagaat
atttgggatac	aaaggtctta	tc	cctgaat			
						389

<210> 263
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 263
 aatgttaacc acaggacgtt ccagctgtga ctctattgcaa ctactgacaa gcaagctgga 60
 gtggccctgc ttttagagag cctgaagatc tactcagagt gaacaatact tgaagttcta 120
 attgagttac agaaaggaaa ctagtataaaa ctaagaaaga ttgcgattct caccttgaat 180
 atgcagatct aatttctata actgtgttta ggggtatttt tctaaattac taaaataatg 240
 cttacatttt caaattggcc attaaatata tcttcagatg cggagatgtg tatattac 298

<210> 264
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 264
 acagagctct gcaggcacag ctgaggacgg cctctctttg ggtccccag actcatcctt 60
 gggagctcac aactggcaga gggagacaag ggcgctccaa gcagcagccg tgggggagtg 120
 gtgatctcca gcttcaactg ccggggccgtg aaaacaggaa ccagccctcc aggccaccgt 180
 ttctctgaaa ccaaagctca gcaaccgaaa aaggatcaaa aaagcagatg gtggagggtg 240
 agcgaggcag ctgtgcttct cagtgcctcg tgccgtcctc agccccatct ctggcacaag 300
 tgggtccaagc agcccaggac tccatggcag gccctaccct tgcaggtgaa ctgcctcggg 360
 tctnccagcc tccacattca catatttcaa acagaaacac caccaacttn ctgggctnac 420
 ccnttgggaa attccccaan gaaaacaaag ggggactcat atttgggcca 470

<210> 265
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 265
 ctgaggaaaa acctacaagt ctacttggag gaatccccag catttttcaac aggatgtcag 60
 aatgaccttg ggctatgttg gcaaagcaca atgggaagaa gacaaccaat tgaaggtcaa 120
 actaggcctt aaaaaaaatt gttcttccca aatgaaactt tatgtaagac ccaaacttcc 180
 tttatgtaaa aataggatac cc 202

<210> 266
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 266
 ttttccgtct gtccagctcc accactaaat agtgtcttta ttccgaggag ctacctgatt 60
 tgggactcag tcttcctaca aggcaaaaag agaagacctg gatgtctcac gtgggtccaga 120
 catggagcaa gtaaaccgag ctctcgccac accgcacagt ctctcagcc tctgtctcaa 180
 tgtgttttca ttggaaatgc ttattgtaaa tgatgacact tttttaaaac caaaattcaa 240
 ttaaattcaa tacatatt 258

<210> 267
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 267
 gataataaaa catgaagtgg aagatcttct agaccagcac cttaaatttg cagatgagaa 60
 agttggaacc cagaaaggct gagaggctca aggtctcaca actgtttatg ctcaactggg 120
 aaatgaattt gtttctctgg cccatcaggt caacattctt tccactcagc tatgccgnct 180
 cctacctcct gaaaagattc tagcaggacc ctctgatgaa aaggacctta tctttttata 240
 tctgtgtgtt aaagcttttt tttaaaatca tcgcacgatt ttatgagtta agttatgtac 300
 ataaacaaat actattactt 320

<210> 268
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 268
 gagcatgacc agcagactaa cgcagcaagc agatgatgct cctgatgaaa agggcagacc 60
 cagttgagcc tgggctacgc tgacacagac tttgttgctc ttcatttggc aaagtctctc 120
 ccagaatccc tgcaggcata caacagatgt tcagtaaaca ctcggttgat gagaactctg 180
 ggaagacata gctgttcgac gaacaggcat cagaatttat catttgaaat tatcaactca 240
 aaaattcttt ttttctctcat acatattctg cttatgtatc aaaaattatc ataagaaacc 300
 aagatttctc agaacatgtg aggtcaaaat ggcttataat gtaaaagaag tggagtctca 360
 atctatactc agtatctccc tctcttttat tcatacacat atggacactt gcacttctaa 420
 gaaaaaatga attttttttaa actcattcat ttattaaatt gatatggatt aaaccangna 480
 atattcataa catattct 498

<210> 269
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 269
 cntctctgga gagcttncat ctgcaccatg agcccatgcc atcttctgac tcttgagct 60
 acagtgaaga tatattttgt attaattgctt aacttcttca tttcagttgc cattgaggta 120
 gcctaataac attcataagt aaatactgga ttttagtttg caatagaaaa accttccatg 180
 taatataata tgtctatata attaataatt aattactttg ttaaaatatg tatcttttaa 240
 taaataaaca ttggtagaga ccaaaaaaaaa aagaaaaaaaa aanggccacn gngggccaatt 300
 cagctnggac ttaaccaggc tgaacttgnt caaaaggggg gg 342

<210> 270
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 270
 ccagcattta tggatcttca gaggnctctc tctgtgataa ttcctcatca aattaccaat 60
 aagaaggata tgaaactaca gcccacacaa ggatgcctgg tgaccttcgg ccttgagatt 120
 tacagtctgc ggaagcaata aagttcctct cctctctct 159

<210> 271
 <211> 521
 <212> DNA
 <213> Homo sapiens

<400> 271
 ggcaccgcaa gacaacgtat ctcccctccc ctgtgcaatc agtcaaagaa catttagtca 60
 acctgaactg ggagcacagc gtccttgggg ctgttgggca ttcaaaagag tgtggatcag 120
 tgtaaaaagt gcctcatgga gaaatggagg cctgaaagcg actctgaagg aggagtgggg 180
 ctcagcaaac agcagacgag tttcaatcca agcacccatt acccccctaa cacacggcat 240
 acgtgcatct catctctctc tgtgtcgcta agaagctacc catatgtctg tcatthaattc 300
 tccagaatcc ttggacacac ccctctgcag agctttctaa cagaaatata agtctcagat 360
 ttttttttaa gttaaaattg agtgcagcac tcataccttt cttcgagcat gaaccgtcaa 420
 tcaacactgc ctcatgagct actgntctcc tgctctttaa aaagacaaan ccttatttct 480
 ttgtagngat cncaaagngg ngggattnac ccggaaactt t 521

<210> 272
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 272
 agtttcactc tcagaggagg attttgttct tcaattgtgg agtgatctct atcaccagtg 60

actaaagcag	atgttggagc	acagagagcc	ataccccaaa	atatgatgct	tgggcatgct	120
gactgctttg	aaaattgaaa	ggcctcagaa	ataatcctca	gtgccagggt	ctccctctga	180
cctcccccta	cctccctttc	tctctgatcc	tgtctctccc	aaagcacaga	atgagctggt	240
ctctgaattc	ccttatctac	ctagaaactg	gacccccaaa	gaggaacaca	atttgccttt	300
gatcccttcc	ctgaaatttc	attaaccaga	gaaaattaaa	acttctatca	caaggaagag	360
actgaacatt	aaacaccata	gctacagccc	agacaaactt	cttcccaaac	cattgtttgt	420
tctcctgcct	gttaaattgc	cagagaatca	ttcacaagac			460

<210> 273
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 273						
ttgacaggaa	ggcaatcatt	cattcattca	gcaagcaagc	aagcaagcat	ccacaatgag	60
cctggatgcc	acatggacca	cgatcaccaa	ggagatcgat	aaatcccaca	atgttggtcc	120
ctgtcttcaa	aaatttgtca	agaagattga	gatccactgc	tgtaagatta	cacagatgcc	180
ctcctcatcg	tctatgacag	gctataataa	atcttgccag	actt		224

<210> 274
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 274						
aggcgagaaa	ctgtgggata	agaggctgca	gcaattgcat	gagtagaccc	tgaaggatatg	60
aggtttggtta	aaatggatgt	tcagagaagg	cctgacacaa	gagggccact	ccatttgtcc	120
ccacggacct	gggccggatc	tctcaatttc	acactgatgg	agcctgaaaa	tcaacaaaca	180
agacggcaag	aacaggggaag	acattgttct	ctccaaagtg	gacaatttgt	gacaggccca	240
ggaaggctgc	ctgggcttta	tagcttttcc	agtggttcct	aataaaccag	gctttgtgtg	300
agcctcgttc	aagccatgcg	gggccctgtc	gtttcttt			338

<210> 275
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 275						
tcccagggtg	atccaccagc	tccgaagaga	cagcgaccan	gcaagaacgg	gccataacga	60
cgatggcagc	tttgtcaaaa	agggggatat	gtagggaaaa	gagagatccg	actgttactg	120
tgtctacata	gaaaaggaag	acataagaaa	ctcctttt			158

<210> 276
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 276						
acttcagttg	accaggcaa	ctgaaaccga	ggaagcaaaa	ccatggaccg	tggaaagaag	60
catcatatag	gactactgta	ttatgtatta	taggtggctg	tggtatcaac	atacttagtt	120
gataataaaa	atgtttgcaa	agtc				144

<210> 277
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 277						
gagcccatca	tggcgacgcc	ccctaagcgg	cgggcgngng	aggccacggg	gganaaangg	60
ctnggctnca	aaactttant	antgancngn	ctgcacggga	ctggcgaaan	ggggctgaac	120
catcgaaaca	gggtattatg	aagccagctg	ggccaaatac	cttcaactgg	agaaaatggg	180
catttgagcc	gaacttncag	ggaaagctaa	agcactcggg	aagttattat	atgccagggtg	240

ggattttggg	cctggtaaac	tttcttcggt	tggacacagt	gggtcccca	gatacctttc	300
acgccatcta	tgtggccct	ggggaaaaat	ggtttttttc	ctggagggtg	acacctgggc	360
aagaaagcct	tctaaagttt	catttgattc	gtaaaagaact	ctctcctcac	aagaagcttc	420
aagcaaacag	ccctcaccca	agggactcca	tgaatatca	aaagcccata	tccacatggt	480
gctagagggg	cttaaaaaac	tacaaagggc	tggagaaatt	tncaaaaaaa	actcaacatt	540
ggcttttttt	ccccctactc	a				561

<210> 278
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 278						
tgtaagctcc	accagagcag	cagactctca	taaaacctca	tgggatgaat	gaaaggagtg	60
tcattccctta	agacattggc	aacaaaagca	tagcctgaca	tattctacta	caagtgcctg	120
cagtaacctta	tgcagagagg	agcaaatgaa	ctcccacagg	aagggtggacg	atccctgagc	180
cagagataac	tggaactctg	gcagtttgag	tggacactca	gtcacacact	cacacactca	240
ctcacagcgt	tatgcaattc	caaaaattat	gtgtttgggt	ccaggaagat	acattttttcc	300
cctctaagtc	caaaataaag	atagaaatgc	atatatct			338

<210> 279
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 279						
gttcccagta	gctgcagcag	tgaaagacag	tgattggctc	cagtgtctccc	agaaggattt	60
gggctgaagc	caggggaaca	gaaccagaag	aggattccct	ttccagagac	catcaggctc	120
ctcatgtctt	gtctctcttc	tctcccctcg	tgggtggctca	ggatttcagt	atggctgagc	180
agcccatagg	taggcctcaa	cacttggtgt	caccacttca	gtctctatat	gtttggccct	240
tgtgtaaaaat	aaacaaaaac	ttgggcaacc	c			271

<210> 280
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 280						
gagctgggtca	gctctgacct	ggagtgtgtc	taccctgacc	gtgtgacacc	gggatcaaga	60
ccctctcctg	gggtcttgag	gacgccacat	gtgggcgttg	ctctaaagag	cgcttgctcc	120
taagcctcct	gcacatggaa	ccccaccatg	gaatctgctt	cccagggaact	cacctggga	180
ccagccctc	tgagactcaa	gtcaacattt	ggtcctaggg	ctgcaaagag	gaggtgctaa	240
gaggccaaag	gctacttcca	cctggagaac	gggccccg	tgccagctcc	cccaaggcct	300
ggccaggatg	ctctgctcgg	aggcctgtcc	tgacttcttc	tgctcattgc	acctgaaatt	360
acctaaccac	cacttttctt	cctcccaccc	ttccacaaat	acttattgag	catctgctag	420
gtgccaaagt	actggtctgc	acaatgggca	ttacngggcc	tgaaagaaat	taaacnggaa	480
ccttcttgtt						490

<210> 281
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 281						
gaggtgattc	atcccaccag	tgcttcttct	gcagacagta	aaatatgggtc	ccagtgacca	60
tctcagggtg	catgcttcca	gcattttatc	agacaaggct	gaagacagca	gacattaaac	120
ttcagttgtg	tgctccacag	aacattagct	gtcttcatca	ttactttgca	tctttcagtg	180
ataggctgct	tgacatgtta	ggaacctgaa	aatgatccca	tcttgaccga	atctcaaag	240
cccttctga	gcagcactga	tgaaacagat	ggagcacctg	gatgttatct	gctttggatc	300
tggttctcag	gaggaggagg	agcagaaggc	tgggcacaac	ggtgtttgag	gttctcaact	360
gccccagaa	agaagggttg	acttgattta	cattgacttc	aacttgatta	tcttgatcta	420
cttaactggc	ttttcggtt	ttatgcttca	agcncggcg	angantgggt	tccttntggg	480

caacttgcac gnccttttgac ttgggattta ac

512

<210> 282
<211> 393
<212> DNA
<213> Homo sapiens

<400> 282
gctgtaagct ccttggaggc aaggattctg tctgcttcac ctctaaagct tcagcatggc 60
atgtgccctg caaatggcag tgccagtggg catatgctag atgagtggat gaaggaccat 120
cccacatcag ctcatcgctg agtatgcagc tcagtcctcc cgctctcag ggacaacttg 180
gatcttcacc gttcttcgcc actaagaatt cnagtcattc acattcagag ggaagctgag 240
caanctggct cctgcccaca ctggaaaatt tctctgccta aaccagcttc cctaagccga 300
ggggagagtc caagatcccc aagatggcag ggccgtgcag gctcctggga ttaagacaca 360
aacaagccct gttctcaggc tgacagtaaa tgg 393

<210> 283
<211> 139
<212> DNA
<213> Homo sapiens

<400> 283
ttactcatgt cagtaagcgt ttactgagta tctcctgcat cctgggcact tctccactcc 60
aatgtgacag cagtgaatca aacgacagct agccctgccc gcaggcactt gcattccaga 120
gagaggagac aaagaatac 139

<210> 284
<211> 482
<212> DNA
<213> Homo sapiens

<400> 284
gtccttgatc tctgtggctg tgagacgatg aatctagggg gtcaccccag acaacgaggc 60
tgcttcaaaa tcccaaagtc caaaggagga ctgcttcata aggggaaggat tgtttatagg 120
ttggtatact gtgcaaaaatt aagtatagga ccaaaaacag ccaagacatt tgaaagttgg 180
aaagtgtgat gtaatggttt cctgggattg gaaggcagac ctctccgct gatgagcaaa 240
taatgaggct gtgctatgat caaggcattg tgaccctgt gacccacacg tacacatcca 300
gaaggtctcc tggagccaga aagtctggga caacaggaaa accacaaaag aagaaaaaca 360
gctcctgtct tagctgatta gccaaccttg cgaccttcta ccattggaac atgctctacc 420
cttacttant aatncacttt cnggacctg ggctntgtga cccctcccc ttgggataat 480
aa 482

<210> 285
<211> 241
<212> DNA
<213> Homo sapiens

<400> 285
cctccatgct ctgaggaacc ccaagcagct catggagagg cccacatgga ggggaagagg 60
agctcccagc cagcattcaa cttgtcagta acggaagtga accatcttga aaggggatct 120
tccagtctcc aatcaagccc ccagcccaca ctgcttgga cagagaagcc gtccatgctg 180
agccctattc aaattataga ttaatgagcc aaataaatga ttgttgctgt tttaagccac 240
t 241

<210> 286
<211> 222
<212> DNA
<213> Homo sapiens

<400> 286
gaagtgggaa tgatgcatat tcaacgacgc ctacaaaaat tacttcagat tgtagtctc 60
agaaacccac tgggtggcctg aggggacatg caaaaagaag aggaacagga gcagagatgg 120

```

caaattatta aggtttcaag accttaaaag agacaatcaa agtattcaga ttctcagtaa 180
aattaccaga ttaaatcaaa taaaacccca ccttttttcc ac 222

```

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<210> 287
<211> 280
<212> DNA
<213> Homo sapiens

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<400> 287
attaaatcaa gattatgtct gacaaccctc tcaaaatgat aaaaactaat ctgcagagaa 60
aactggctgc agaggaaccg gctgcagagg aaccagctgc ttctcctcctc gaacatgaag 120
aggtgaacag agagatgaag cctntttntc ctccctcacg tttntgaang atcaaaatca 180
agggcancng ggagaaagaa taacaaaacc aacaaactgg aggtcaagga gagntttttt 240
ctttttttta cttttctgcc ttttccattt ttaataaaca 280

```

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<210> 288
<211> 435
<212> DNA
<213> Homo sapiens

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```

<400> 288
ggcttatctc cttgttgtat ccagaatcat atgacaagca agagtcctag aatattttat 60
ctacctaatc atcccactgc cttattccag aaagaatcta aggaggaatt tttatttctt 120
cagtcaaaag atgcaggaaa gacatcctac ctcttggaag aatcattgga ctggacatcc 180
aaacacctga gtcctagcct tgagtctgcc tctcacagca gtatgaccct gggcaagtcc 240
ttgtggaata agggcatgga cagaatgatg tcagagggtc cttctagctc taatattcta 300
cagtttcctt ttagttcaaa tttaaagaca aaatgtctaa cagtgggtct tgtttgttat 360
gaccagtgtt gncaaaagag aagttgtaca aagttttttt tgctgnttt tcatgnatgg 420
gggagggggg gggat 435

```

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<210> 289
<211> 166
<212> DNA
<213> Homo sapiens

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<400> 289
caaacaggaa caaaggaaca aagtgagagt ggagactgct gagtcatacc taggagaaga 60
ctgcaactca ccaggggagt gagtcttcac cctaactcac cggggaactg gaccgaccca 120
gacaatttgt taagttctgt ttccattaaa cataattctg agtctg 166

```

```

<210> 290
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<400> 290
gaatttatgt tgatgcagtt aactccttgg gccaaacagc actttttgtt gcggcgttat 60
tgggccttag gaaattcgtt gatgttctgg tggattatgg atcagatcca aatcaaatgg 120
gagccctgtg ttgcacgctg agccccgctc catggaatgc aggagcattg ccatggacat 180
caattgtact catctccctc cccagccgct gctttgatgg gagcaccct gtccatgcag 240
cagcattttc gggcaatcag tggatcctta gcaaactgct ggatgcagga ggtgacctgc 300
gactccacga tgagaggggt caaaacccga agacttgggc tttagacagca ggaaaggagc 360
gtagcaccca gatagtggag ttcatgcagc gctgtgcctc acacatgcag gccatcattc 420
aaggctntn tttccaactt cttgaaaaaa aaaaactccc cgcaggggtt tgtttacagc 480
ccgtcctggg ggggttgggt tcttttt 507

```

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<210> 291
<211> 192
<212> DNA
<213> Homo sapiens

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```

<400> 291

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tgaatcgaac gccacactca ggtgagntga gaaaccctta ccgcgcgcac tgcaatgccc	60
tccccttcac tctgcaccct ccacccccct gaaattctgc ccttaggcta cggggcgctcg	120
tccttttcga ccctccccca tgctgccaag ttgtagctat agctacaaat aaaaaaaaaac	180
cttggttttc ag	192

<210> 292
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 292	
gtggtagaag tctgtcttct ccccggtgctc ctaggaagac cttcatgtcc tccttgacca	60
acaggggatg gtggaagtga ctctgtgtga cttgtgagac aagattctaa aagtcatgca	120
cttctgcctt gttctcttgg gataactgct cttggaaccc agccattgca gtgaggaagt	180
caaatagctc catggacatg ccatgtgtag gtgttctggc aaacagcccc aggtgaggtt	240
ccaactgaca gccaacgtca accacctgac gagaatgagt cttccagcct tgatctgctg	300
agtcatcgcc aactccagcc aatactgtaa ggagcaaaga tgagctgttc tgccaattgt	360
agcccaaatt gcagattttt gaataaaaata aatgactgtt atcattgt	408

<210> 293
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 293	
aagtctcagc catgaaccta gcagtgaagg aggaaaacat cttatgtctt gttctctaca	60
acacaaaagat gaacataaag aagaaacaca gactctggcc tggagaagtt cagtgtctgg	120
tgggggagac tggataaata atttaaaaca tttatttaac acataattac agtgcaatat	180
gataagtaca atagctaaag tgtgggcaaa gtgtcgcagg aacaggaata aagaggagac	240
aacttccaaa aaaatcttac atacttaacc ttttcccgac attttgacct gaaaataaat	300
cagcataaca actcac	316

<210> 294
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 294	
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tatagtccag tgaaacgacg ggaactat gaccatgaag caaatctgga gcaccacctg	120
attttttaag gtagatttta ccgaaacac	149

<210> 295
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 295	
gaaaagtgtg ctggctcctg tcctggatca actcagaaaa tgaaacacat cggattctgt	60
ccaggccggg cacagcaacc tggcccatnc atgtggagcc tgcagtgaca acttccgcta	120
tctgcacaaa actggaggga ggctgggggt gtcceaagta taagtctct catcancaaa	180
ccggaaagag aaagaccgac ctggaggctg gttatgggga taaaataaat atg	233

<210> 296
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 296	
tgtacagagg aagaaccatt gtgaggataa agcaagaaga caaccgtctg caagccagga	60
agggaaactt tatcagaaaag caactgtgct ggaaccctga tcttagattt tgtagtcttt	120
agaaaagaaa taaatattat ttt	143

<210> 297
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 297
 gtgatactgt ggctgacagt atttactgtt aaatggagtg gaagtgagaa aacaccacag 60
 aagggggcac ctanattcga accgggggacc tcttgatctg cagtcaaatag ctctatccct 120
 gagccctacc ccctctacct gtaataagct tcttccgtgt ccacctacgg tgactcaata 180
 caatcaagtt ccaccacac g 201

<210> 298
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 298
 gctctgatga ttcttaagca aagagatgga agatggaatt tcaaccccat ggagatctaa 60
 taaacttacc cagagtt 77

<210> 299
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 299
 atgaaaaaac tgaggctggn aganggcctt gcccctgccc anantcatgn atntgnccta 60
 ngatggatgn ggaatnctgc cccaccantg gnggcnttat tattacaccc atattacana 120
 tntagaanac tgaggctcan cntgggtncct ttgccatgan cacacannna gangatanga 180
 gaggctggct ctgcctccta tgcncctcct gatccactct ccaaaccctc ctccagtccc 240
 ctgctccaag ccatcagtta ggatgattct tataagccgg ggggtgtgaca tgccaaagggt 300
 gtctctaccc cacatactcc ctctggaanc aggacaagggt ttgcgtgagg tggacctggg 360
 ttctttctgg accaggggact ttgcctccaa gctcatttcc tcctctgtaa aacaggaatc 420
 caaccaacgt cagcctgaat gggctgtggc tc 452

<210> 300
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 300
 ttctctcatca gaaggaagta cttcatcaat tacgtcctct tcatattcat caattttcttc 60
 cccatcatac tcattcttcgc ttcccacatc acttcttgac acctctgcct catcctccag 120
 atcgcttcag gagttcttct tcatcatcat cttcatgggc ttccagtgc agatcattac 180
 cagagtcact gtgttcatcc tacaaaatca gcatcatatc caaatttagc agaataaaat 240
 ggcctctcaa tgaaaaaagg atttataaac atctgcccac atacctcatt ctaggaaatt 300
 gtttctgata agatgccaaa cttagaattc tcaagaactg aggggaaaaa aacacttgag 360
 ggcagcaata catggagctc aantatgaat acctttgggc cttctacct cccctnatcc 420
 ttttcaaact catt 434

<210> 301
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 301
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 caccaatgcc gtttccccac tcattctggaa acctgggtggg nccctgcccac acgcctgtat 120
 gccaatcca cctggctgct tggcgaccca ccattgcccac attttccact caagcctttc 180
 anatctgctt tgggcacctg aagacagaga gaatcatctt tcaagagtca gaaactttgc 240
 acgtgccatt cccctgtgctt agaattgctt tccctttctc ccaattgcct tatcatcagc 300
 ctgggaaaat atttatttctg gctcctaaaa tctcagatat cacttctcca ggagctttcc 360

cagatgcctc acttgattcc agaaggagct atcgccactt ttgcctggcg agtaccgttt 420
tcaccgttac acttatacgc tatggcaatt tattgg 456

<210> 302
<211> 187
<212> DNA
<213> Homo sapiens

<400> 302
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gactttcagg aaattagacc ttaaagcgac ttgcaaaaat gaaaaacgaa gcctcttcca 120
aattttttgt tttggaaaat tagttatfff tcataaaaaa cttacattaa agtattttatg 180
tcaagg 187

<210> 303
<211> 449
<212> DNA
<213> Homo sapiens

<400> 303
tttcaggttt taggatgacc agtgagatgg tcagaacttc agaaccttcc aaggtgatgg 60
gtcattcaag ctccaggaac gtcaaggcct caacagtttg gacataatff taagcaacac 120
atataagacc cacaggtctc cactgatatg actggggatc tcatgaagaa actactcgac 180
aaagacagat actggaggga tagaagagtc tatgaagtae agaaaagagg aaagatctgc 240
aaacaattcg gtgtcttctt ttaacttgaa actcattcta cccactgcta cagctaggta 300
ctgtgtctct gctcagattg ctggagggtt ttgttngat gatctccttc aatacatcaa 360
tactataagt tctataanaa tcatctcaga gcttgtttan aactcatttt ttttcttttt 420
ctgggntatg cctttataat attcattta 449

<210> 304
<211> 309
<212> DNA
<213> Homo sapiens

<400> 304
gtggggtctt tcaccggcca tgtccctggc tgactgtttt cctgctgata ctgaccagcg 60
tccccggcag ccatggcctg cattcgtggt ggtccctcct cctgcagccc cgaggaggca 120
gggctgtctg tggatcccag atcggttgtc ggaaggcccg gaagaggaga gctgccctcc 180
accaccactg tctcctcctc ctggacaaca gagtcagaac actgctgaga tgggggtgaag 240
cataattggt gcactgagac tcaaaaactac aggcaagaag gtttgaaaat acagaaacat 300
ttcacgaat 309

<210> 305
<211> 174
<212> DNA
<213> Homo sapiens

<400> 305
gatgatgctg cccttaatgc tcagctgatt acagactaaa cacaaaagtt cccagaggaa 60
aatgggtggac ttgggagctg ctgcctcagg aggatcttga gtgttagtgg ttccctcccta 120
tcagatgtac ctaatgccca ggatttaata aaggatcatt cccattccac cacc 174

<210> 306
<211> 464
<212> DNA
<213> Homo sapiens

<400> 306
gagccccctt cctggacaca ctctgtctct tcccaggga tgggaagaaa caaaaggatg 60
atgacatgac acctaaataag tctggatctg gaagtaagtt tgatctacgg ttcattaggc 120
tggagcagaa aaaaaagaaa gggctccgta tgttcgcctg tgtgccagg atgggtgttac 180
gccactcatg tgccttatat tccctacaac cctcaccacc aatttatcac ttcaaaaatg 240

ataaaagctg	agacttggag	aaactagtaa	ctaaccaaaa	gtcacccaag	aaggaggtgg	300
caagctaaga	tcaagcccca	ctttggtggg	agctaagagt	agcccttggg	agagtcatgg	360
ggttggttaa	ttcttgcctt	tggaacctgt	ttctatctcc	attcagttcc	tttctttcct	420
gtcagttgga	ctgtaaaactc	taagatcacg	aaatttcctt	ttat		464

<210> 307
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 307						
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tcttacagat	gcagaatctc	tgccccaacc	cagacctatg	gagttaaaac	ctacgggatt	120
tctagatgtg	cgggagtga	ggagctgggtg	gctatcagac	ctcaagggtct	ccaacaggac	180
aagatcaaga	gggattccac	tcccacagac	cactcactca	ccctaggaag	actgtgaaat	240
gcctgtcctg	gtgcttagtt	tgaattgttg	aaagaccatc	tttacggcag	aaatgctttg	300
tcattttcact	tgataagggc	cttgggtttc	aagccagttt	actcttttct	gtgagcattg	360
aaagccccct	ttttnatttg	ctccgaggca	ggattttgac	ttcaaagcca	aaataagaat	420
ttaggaagaa	aagaaagggg	gggaggaaaa	agggaagttt	ggtccaggaa	aatgaaaatg	480
c						481

<210> 308
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 308						
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aaaaaatttc	aaaattacaa	atgcaaaatt	aggtacaaaa	gggaatattt	acaatgagaa	120
atcaccacaa	atggcaagat	ttaaacagct	gacaaattaa	acagcgcaaa	atccagg	177

<210> 309
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 309						
gttgcaagaa	agctcaagta	gcctatggag	aggatgcaag	gcttccagct	gatgccctca	60
gccaggetca	gtagcagcca	gaactagcct	accaacgaac	ctgctgatca	tgtgcataag	120
ccaccttgaa	cgtegatcct	cctgcctggg	ggagccatcc	cagctgatgc	cacatgaagc	180
agacacaagc	tgteccctact	aagctctgct	caagttggat	attcatgagt	gaaataaatg	240
actgttacta	agtaattaat	tttcgggtgg	ctgttatgta	gcagtagata	attggaacaa	300
agcttattga	cataatacat	ctatatcaca	tcctccaatc	cattttttta	agtaataaaa	360
gtgggtg						366

<210> 310
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 310						
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cataaacact	ggaatcactt	cacacgtttc	tgaaatgtga	ccacctctca	ggaggagtgg	120
acaacactga	gtaaccggaa	gggaggaaca	cttatcccac	tgaaactggg	ataaaggttg	180
ccatgaatgc	aagaggtgcc	taaatctctt	ggcatgggga	cttaatgggg	ccttatccct	240
cctgctatat	ggtagcaaaa	taagaaaata	aaaaccaaa	taatatgcgt	tc	292

<210> 311
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 311
atgaaagaaa gagaagtccc taagtagaaa ctgcaagggc caagcagaac attataccat 60
gtaaggacat catctgtccc tggactctta agcggagat catgcaaata gtggactgaa 120
gtcatcccag ccttcaaaag agccaccgtg ggggggaaat aacagaaagg gataaaaagc 180
tgtctttcgt aaccc 195

<210> 312
<211> 475
<212> DNA
<213> Homo sapiens

<400> 312
aacagttctg gaggccggaa gtctgaaagc agtatcagta ggtggaaatc agggtgccca 60
gcttctggtg gctgtgacat tccttggcct aagctgagat ggcagtcaat gagagtgact 120
gcagaaagtt tcagaaggac acatgggaat catttaacca ggccaataaa atcagctatt 180
tatacacttc ccccggaaga catagccctt gcttcaactgt ctgaaggaga gaaaatgcaa 240
aagtgataaa ggcataaaaa agtcatattc ctgagctaca agagagaaac tgaggacagt 300
ggagatgaga ataaaatccc taaagcttaa aggatgctgg atctggattc tactggatgg 360
ngngccttna aaagnggact gncctatcct tttcacatat gttagaggtc acacacaggg 420
agccccacaga ccccgacatg ccaataaaacg tgtttcttgt gaccataat aaatg 475

<210> 313
<211> 425
<212> DNA
<213> Homo sapiens

<400> 313
gtctactctg tgaaaaggaa atgatcatalc ataattcacg catttgctgt acggatttaa 60
ttaaatgata gacaaaaagt agagtggcac aagtcaaact caaaaaatag taacaacaaa 120
atcaatttca aaataagcaa cagcaataaa tgttacctac tattttacga atgaaaatac 180
tgagaccaat aaaggcatta tagtatacat agccttggaa tcagaagacc aagaacatac 240
aagagaacat agccttggaa tcagaagacc aagaaacaat ttaactctgc ccctctagag 300
ctctgagaac ttgggcaagc cttttaccct ctgtgagttt cagtttcctc atttatttaa 360
ttggaatnat aattccngat cacctgaatg taatgaaaat taaacatcct tatgtagggtg 420
aaacc 425

<210> 314
<211> 478
<212> DNA
<213> Homo sapiens

<400> 314
gtagaagatt ctgaggccct gggcgggaaac tagtaagcca caatctggaa gagtctttta 60
ccaccatgtg gaggagaact agagcactca tgttgaacta ttaccganaa aagtaatcaa 120
cttcttttgt gttaagncac tgaaaggcaa gtgttgattt gttgcagnaa tnggggctcc 180
cttaacacac ctgtcagccg ggccaaactc tatcacagca taaataatct ttcccttaaa 240
taaatacagg taaaagaata aagtagacct aaatgcatta atatgaatat aggtcctaaag 300
caaaatgttg ggctataaat gttcagagtg ataatttttt aagttgatgn gtaatttagn 360
nccagtaaat tagaataaaa cctaaatgtc agttcaaatg gaatttttta catgttcag 420
ccctgtata atcacctccc anaaccaaca tagaaaatac ttcataataa atgttggg 478

<210> 315
<211> 325
<212> DNA
<213> Homo sapiens

<400> 315
tggcaagaca ctggcctgat agaccaggag ctactccacc accagcagct acaaggcctt 60
ggcagaatgg aataacagca aacaacattg gaggaggact tgtctgggag agcagccatt 120
ttaaagaaga gcacattaag tcacaacacg tcgcagctga tctactttgc agcatcgcca 180
tacaatgcta actaaatatt gaaatcccgg gaaaaactca ctgtgcatca tggtccagaa 240
actagctttg caaacagtct tttcagatgt gtacattttg tgtattttgag gcatataata 300

tatatatatttt cctccatggt caccc

<210> 316
<211> 275
<212> DNA
<213> Homo sapiens

<400> 316
acgccatctc caaatacggg cacattgggg gttagtactt caacatatga atctgaagga 60
gagacacaat tcagtcctta acacagtgtt ttatggattg tatctgcatc ttccatctta 120
tcaccaccca aatccagcac ctgaattggg gagtggtgcc agtgagaggc caagagccag 180
aagagcctgc ttctgcttgc agaggatgca cagttgtaat agttcgtttt catgctgctg 240
ataaagacat acccaggact gggtaattta caatc 275

<210> 317
<211> 352
<212> DNA
<213> Homo sapiens

<400> 317
gttcgtgaat gactgtggtn tcanantgac tgccaatgnc gactcctgat accataaaaag 60
gaaagactcc tgtctgaagg atgtgccttt atcccagaca ctgacaaaaca cttttgccaa 120
gagagttcag aaacgactgc aaaccccaac ccaagcaact ggactctgga aaacagctca 180
tgaaatctca gcatctgcct tgtctggtga gcctcgtagg gcactcacct ctattacgga 240
ggcttgatgg cagcgggcttg gtttgaactc tgtattactt atctattgct gcataagcga 300
attaccccaa agcttagccc gcttaaaaaca acacgcattt attatattca ac 352

<210> 318
<211> 243
<212> DNA
<213> Homo sapiens

<400> 318
tcacaacatg ggggtttggg ttggttttgg gatgggcaca cttntgcccc tgggacaatg 60
ggaatggtgg ntttaccag gcnttngggg anaanangtg ggnaattcna cccctngga 120
tgctnacaaa ccntggcaaa tcttancatt ttccctnat tgaaaccggn tgccccttnc 180
cttantaact gcccttgac ttacctcacc attttgtgtg gccttaaatn aagaatttgg 240
ggg 243

<210> 319
<211> 476
<212> DNA
<213> Homo sapiens

<400> 319
actcagagaa gaatggaggc agaggctgga gaggaggtg aggatgctgg acaaccctgt 60
tgagaaggaa aagccggcac acaccgcca ctgagctctg cctgcctcac cgacttcaaa 120
gatagcaagc gaccactttt ctaggggaaa aaaactaaca ctcaagttgt gctgatttac 180
taaacaggac gctctctatt tgtgcttcca tttgctaggg gatttacatg tgaaacctcc 240
cccagtgcata atgggagtta ttatcctgct caatccctc cgcacagagg acaggatgac 300
cgcaagtggg ataggacgct tgggctatth aataaaaagaa ctcttggaat taacacttct 360
tcanggtca cagacccatg tagcctagta tatttccaca tttccttgtc attttgaaat 420
ggttcaagtc ttgagacatt tgaagngtt tcttctaagc ttaccgaggg caatgg 476

<210> 320
<211> 66
<212> DNA
<213> Homo sapiens

<400> 320
aggaatcaaa agaaggagga agaatagaat gatttggagg aaaagaagga gaaagtagag 60
gagttg 66

<210> 321
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 321
 ggtggcccg cctccctggt ccatcttctg agaggagcta taccatttt gcaccctgaa 60
 cctccaaact cagaagtctc tgaggagccc tgaataggag aaaatgtggc tgaaaatgaa 120
 gtggaaaatc agtgtgataa ccaaatacaag atcacgctc gctgggaccc tgtcacacta 180
 aagcttccag agcatagtcg tttttaaaat ctgtaatagt acctgg 226

<210> 322
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 322
 gaagccaagt gggaagatcc ttgctggttt ctccctctga ggaagaagga aaatgccatg 60
 actcccacta tggcctctct tggaaccata ttttgaggta ccctacttcc ttcttgagtg 120
 tcagcagagc aactgtggga ctggcatgag atttggtcat ttctaggaga gcgaatgcct 180
 tttgctctct tgatgagaaa actagacgag acattgttta gaaattcttg agctcagact 240
 ttngcattat gacaacgtgc attcaaatct gcccagcca cttgcgagct gggacctaaa 300
 gccgtgagct tctggttgtt tatctataac aagcggatcc cagtacctac ctcataaggc 360
 tgntgngagg gattaaaata aaatgcatct atcagccagc ttgcaggtct gcacttaaca 420
 ggggctcang tgcaatacct tgataagttt tgatagtttg ggata 465

<210> 323
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 323
 cnaacctgnt angntnctatc tnatncaant gtggcaaccn ntnccttgnc cannnctggt 60
 agctgacact ttctcaactt cacctggatg gacactgaag tccaggatgg gatgctgcta 120
 cctgcagctg ccatctccct gccaatTTaa ggatgaagcc aatgcccagg atggcagagc 180
 tgagagctgg aaggaagcca ggctctcgct gacattgttg acacactgca tcagccatct 240
 ctcagcctcc cacctctaga tttcctgtga cttgggaaaa taaatttctg tatttgtaaa 300
 gct 303

<210> 324
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 324
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 actggttatt taaccaaaagc ttcatctgaa atggcatatt ttacgggata tgacgagact 120
 gctttgagga atttaagtgg accttataaa gttgataaag agccccttag aaagactggc 180
 ctagtacctc atntacttgg ttcccttagg agcctaggan cctnaanatn ttnggggacc 240
 tcaagaagag agaaattcac tcattttatg cacatntnac nggcatagtc tangggggaa 300
 tcntnggntg gggttccccg ntttnaaagn gtttttaaaa ccaanttnng gggtnttttn 360
 taaacatttc nccnaagnn cacctttaa accctttttg aacncttttt ttttttttgt 420
 ntttgcgcn aatccgggn ccnngggaaa aactaaaa 458

<210> 325
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 325
 gagnnactgc tcaaacaaga acacaaaaat ntntnangat cctacnacag ngggttggnc 60
 ncagtgcacg ctntgtatac ctatcagaca aaagaaaatg tcaagcaagt anaacagaga 120

cttagctgtg acagctaaaa natttataaa gtcattgcttc ccatcnaacc tatctggact 180
tatcaacagn atgcntccag cagttattcc cc 212

<210> 326
<211> 483
<212> DNA
<213> Homo sapiens

<400> 326
gtgtaggctc tgcctttcca gggataagtg gccacatagt tgcctgtgtt ccccgagctt 60
attccagtac atgtttttata ctttttggtat gtttgtgat cacgggtgat gtgattgctc 120
tcaacacaaat gtctacttct cctcgacggg caaggaggga aatagacaga gccagaggt 180
ggccagccat ggctcctcaa gacctgccaa gaagagtga ggcaccaga gtctttgcag 240
gtataattga ttaaagatct caagatgaag tcctcctaga tttaaatac cccatggag 300
ctgccttcaa aggcacagct gcaggcgagg gtacatttct aaatcccang actagtggcc 360
ttgttagaaa anaanaacc gggnggacc ccngagaaag gagatgtgaa gatggaggca 420
gagactggag tgatacagct ccaagccaag gatcaccagc catttcaaga agctaggcaa 480
gaa 483

<210> 327
<211> 272
<212> DNA
<213> Homo sapiens

<400> 327
agatgcagtt ttgccatgtt gcccacactg gtctcgaact cctgagctca aagcaatttg 60
cccgccttgg cctcccaagc tggaatgaca gacgtgagcc actgcacccc gccaacattg 120
gcattctctg ctgccttctc tggactgagg aacttctctc aacaactggg ctccagagccc 180
tttttccaca gagattttgt ggaatagcct ttttgtctca tgctgtctt tcatttattt 240
gcttgtttga gataaattaa aagcagaaaa tg 272

<210> 328
<211> 450
<212> DNA
<213> Homo sapiens

<400> 328
ntatgacaac aaaaccacn tggggcccaa acctggaagc cgnngctat ggaggacctt 60
ggaagcangc anagaaaggt ttggagtttt cantgcatg acaccagcgt gcctgcggaa 120
gnggntgtgt ntactnttgc ctctttnccc acccaattcc gtcccaggag cccagggatg 180
gaggcccaag anacggatnc cacaggagcc agcaccact ccaccccagg agctcagcaa 240
acatccacag agtgaacatt ccaagcaaca tagtccagga gccacgttcc agccatgggg 300
cctctgcact gctgtctctc tcacatggcc tgcccttccc ccagaaagag agaagaggcc 360
ctctctgggt gtcccatcaa aactccacc ttctctcacc ctctctccag ctgtatccct 420
tctctgcagc cctaacatgc attccattt 450

<210> 329
<211> 479
<212> DNA
<213> Homo sapiens

<400> 329
ggtgtgggca cacacactct ctgaacagca gaacttctgt ctgagagtag aagctgaaga 60
gcagaagaga cactatggga atcaggaaag aggaggtgat ctgggcccagc agttgaagca 120
cattgaaacg aagaagaagg ctgacttctc aggagctgcc tggatgctgg cctcctgggg 180
aactggaact ccagtttgaa ctgaaattcc ctgtatactt gtcaggaaca tccactggac 240
tgtgggttcc ttggtacaaa aactaagtat ccccatgcct gccacagtgc ctggagcaga 300
acagacactc aaatatttaa taacgtatga ctgatttgtt attaccgcg gcacatagat 360
aagacacaca gggggnggga ggataaattt ggggttaaaaa anaaggctaa atctgntggg 420
gntgcttcac atganaatga nagtctttcg gtttatgggt gctccccggc caaaacacc 479

<210> 330

<211> 171
 <212> DNA
 <213> Homo sapiens

<400> 330
 gaattcatga cactgaagct acccaacttc taccatgcct ataacatgat caccctagga 60
 agtggcagag taacccgagg gaagaagcct ggatacctga atgactatat gaaacacagn 120
 tgccttaata ccctcgatca ctactacgg aactctgtaa taaagtatat t 171

<210> 331
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 331
 atgctatcta tacttatgtt aagcatcttc agagacacca tggatgatct tcattctgaa 60
 tcccaggaag aattctggaa agcaatcacc tacctcttga tattttctcc gtcagatatt 120
 acctaaagat ctttttggga cctggagaaa aggggaaggta gaactgattg ataacttcta 180
 tttatataga attaaaagaa tatgaaaagt ttagataaag gagcataaat aaaaaccttc 240
 tactggcaaa c 251

<210> 332
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 332
 gttgtctgcc aacgctaact ggccagctct gacaggaggt gcgtggccca ggaggagcca 60
 tcaggccagt tctctgggat actgctgtgt ctccagctct gcagtttgct ctgcgtcact 120
 cagcggcaga cggagaggca gacacgagcc ccttgtgagc cctcctcctt accgtcatct 180
 cacaatgctc tgaaataagg aggcaaatgg ctgagggtccc ctgagttgaa gatgtgattg 240
 agttctatct accagaagca tatgctcctt ggaagcctgg ttctaacacc tctcacaaaa 300
 tccttcaagc acttttttct gttccaaggt ttgcttatgg gggaccnnaa ggaaagggct 360
 tnanancctt aaagatttgc tgagtcatat gaggggcccag caaacctttc ctgtaaaggg 420
 tcagataata aacattttta gctttg 446

<210> 333
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 333
 gtgttgatca tgaaacattt tcaacaaaa atagtagagc caaatttgag cattgccaac 60
 ctccacccac ctcccttcat cacatggatt tgttccaaac aacttctggc cttcaagca 120
 aggaaacact ctttcaaaaag atgaacactt gccatcacta acattgtgcc acaggctctt 180
 aagacaattt caaatggaaa tgcaacgaag ttttgctaata ggtagcatca ctgaaataag 240
 tgtagtgtct caaaagactc ctatgtgatg gtgaagaatt aagtgtgtat gtttaggcac 300
 aagttttatt tttcaaagaa ttttcatct tgctatttgn cgaatgaaat cttaaggaat 360
 aaaaagnngc ttaagttttt ccaaattgca aaaaggaatt accatcttcc cactgactcc 420
 atgaatgcca aagtcactga aaactaagct taatgactgt tgaatcaatt tccaaagatg 480
 taaaatttctg ctttaata 498

<210> 334
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 334
 gcaaaatata tgggaaaaaac aaaacaaaac agtgaaccaa gaactcaagg gagaatcttt 60
 tgagctcatt tctgggtga atgcttccct cttaccgac caccagaaca gaggagcttc 120
 caggaagtta gagaattgaa aaatagagaa aaagaatgag tcacaagagg atcttatcat 180
 ctgactaagt gggagactgg ataaaagcct tgtaaaatca ttgcagctta tatacatgtg 240

tatggttatc aagtagcatt ctatttctca aattaagcat ataccgcant tattttgtga	300
gactataaan ttcttctaga aagaaataaa gaacattaaa attct	345

<210> 335
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 335	
aggacttgct cagaacaagg gaagaagatg actatgcagc tgctcggtaa cagcgtctag	60
tcacactctg agatactgag gtcagcaaga acagaggatg cacactatgt cccatcttgc	120
ctttctgccc agaaagtctc agttactgga aaagcttcag aaatattttac caaaaaatcc	180
atgtgaaatc ctgaaattct acttctcaga aaaacagtat tactcttgtc tagaaataac	240
atccaggcct caaagtgcta tactgtcatt acttctaaaa ataaactgag caaatcc	297

<210> 336
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 336	
tattgtttct aaagaaacta tgaagcaatt caaccagagg agaacaacta ctgtgggact	60
gcagatgata ttagcctgga agctgcataa cctcctacc agatcaaatac attcagcatc	120
catcttaaat gagaaattta agtaactaaa aataataaat ataaataatt aaaat	175

<210> 337
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 337	
attcaagaga gtgccaaagg aaacaacagg acagaaggag acatgaggaa gagatgggac	60
agacagcact caaccctgag cagacgtgag gggcaaaaga aaaggcaaca ttaaggaccc	120
attcaagttt caagtctcag cgtcccagag gatggtgagg atacagcaaa aatggagagt	180
gcaaaaggag aaaggcagtt gaatgtgaag ataacggggt cttcggggcc tacctactaa	240
gtctggtggg ataaccctgt taaatgggaa gagggaggcc tttcttggtg cattttagga	300
ggaaaaaaat ggctgcctgg aaagtccata taccagcagc aaaaagaaaa gcnnaatggg	360
attaaaaaat nttaaaagcc cttcacnagg aggttaagtt ntggcgggtg tgcccatcag	420
agaccagcag agacaactgg ctctccggcc tgagtccgcc tacatcagaa ctagcacatc	480
tctctgtcta atttct	496

<210> 338
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 338	
gtggtcaaat gtgtgggagt aaaatgtgtg tttgaaatgc cttcccagga ctgagtatgg	60
ctcatttttc tccttgccat gagctgcatg tccccatgat tcggggcagc ccgcctaggt	120
gcctgttcct ggctatcaga agagcacagt gaagtcctcc tgcccctgag aagatcgaag	180
actctgctgt ggtcaagggt cttctccag ccatatgtgt tgtctaggat tagacttttc	240
aaacagtggc caggccttct gaggtcacat gtagcagtaa aagcaagctg tggccaaaaa	300
aaaaaaggnc ngnggggncn attnannttg gacttaancn gggngnactt nntnaaaagg	360
gggggactcc c	371

<210> 339
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 339	
actgaggatc ttctgaattg gcggcctcta catatgcttc tgctaaggag catgtattca	60

ctcaacaagc	attttaaacc	cccagcaagg	cacaagctac	aaggggttaca	agagacacaa	120
gaagagatga	ggtggctcct	gcttcccaaa	gagtgtggtc	cagggaaaagg	aataggcctg	180
gactttctcat	aacctggaac	atcttttctc	gaggccaaag	aggtgatccc	aagtgaagg	240
ccaaatccaa	ggacctgcc	tgcccgatgg	gtgctcctct	gctgagcagc	caaaggcagt	300
gccacgaggg	ttcatctacc	tccaatagtc	acggagtctc	tccatgtgcc	nnttgggttt	360
nntgcnttgt	tttcccgagg	aagccttnct	tgacctttca	gatcaagtca	catccacgta	420
ccatgaacat	tcacaccctg	tacctctctt	ttcacagcac	ttatcccaag	agaaactcc	479

<210> 340
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 340						
cagagtgtgg	gaccaaggac	aaattacaga	agcacagcag	agaaggttgc	ccggttcccc	60
gtttgcctat	gaagtatatg	agtgaagcaa	taagaggaca	ctggagcaca	gcgctgctta	120
gagccgaggg	tcagtaaact	tttgttcact	gatgaatgaa	tgtattaagc	tgaccagctc	180
aatttgattc	ataaagaaat	agccttaggg	cttttctgag	gaagaacaca	acatactttc	240
aatccaactt	tttaaaaaat	aaaacatgat	tacacactcc	taaataaata	ttttcagaaa	300
gtttgcctat	atgtcaaaga	tttctaggat	ttggaagcca	gtatgttcgc	aagttgtgag	360
gacatctgng	ttattctcaa	cacttccctg	gcaaaacnan	ngngtcctta	cctgaaagcc	420
tgaacaata	taaaatgcaa	agctgacatc	ccccctgctc	ggcaactgca	ctttcaccca	480
g						481

<210> 341
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 341						
aaggaaagat	ggaaaagagg	agttatcatt	tctttctcaa	gatacctggcc	ccatgagcct	60
cagtgtagcc	ctagttcctg	ggatcagcac	caacaggcag	ggaggagagg	ctctggcgcc	120
ctgcagacag	caccagggtt	ttggcatcag	gagctggata	cagagtcctt	gataatccca	180
gccacagaat	atttcaaact	caccgacatg	tcctctaaat	atcagatatg	aaaaggcttc	240
cactcttgca	cctgtcttgc	tattatttta	cagatgtgtt	ctaaaagcta	taaagacgga	300
aatcac						306

<210> 342
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 342						
ataatacaga	catgtacccc	accacacaca	atgtaaactg	caaaagcaaa	aaaccgagat	60
gcctcgctcca	cagttcaacc	ctctgcgaac	agagccatcc	tggataaaaag	ggctgctgtc	120
atgattgcca	taaactgagt	ggcctgaaac	aacagagtca	gaaatcaagg	catctgcagg	180
gccatgctgt	ctccgaaggc	tcggaatatg	gaccctcctt	tgctctctcc	tagactctgg	240
gcaggctgca	gatccagaaa	gccgaagctg	cagcaagctg	gaaggcgctc	cgcaggagga	300
gttccttctt	caggagactg	cagtctttgc	tcttacggnc	tttgaaaaan	atggnatnaa	360
ncccccaacn	ctatggaggg	taaccgcgtg	cattcaaagt	ctacagattt	aactattaat	420
catatctaaa	aaacagcctc	acagaaacac	cagactgggtg	tttgaacaaa	a	471

<210> 343
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 343						
catgtctttt	cagctcttct	caccaagaat	tggagtctat	tttctcaact	cattaaatct	60
gagctggctg	tgtgacttgc	tttgcccaaa	aagacttttag	caaataagat	ataagcacaa	120
gcagaggttt	gaaaagtgtc	ggttcgctgg	ggcttactgt	attactgctc	ttgaaatgct	180
gagatgacca	tgtgaatgaa	tccaaggaag	cctcctggaa	gatgagaatg	ctgcatagaa	240

gaaaacagag	gtctccagct	gacagcctgc	caaacactag	aatgtgaat	gaggccattc	300
tggatcatct	tgaccaccagc	tgacctccca	gctgactatc	agtgcattgag	caaaccacaga	360
aaagatgagc	tgagccagtc	cagtgtaaaa	aaaatggccc	agccanccca	cagaataatg	420
agctgaataa	aanggttggt	ttaagccaaa	aaaaaaaaagg	gcc		463

<210> 344
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 344						
gagtggagc	agcctgagggc	cctcatccaa	tgcagatgtc	tgtgccgtgc	gtcttgtcca	60
gcctgcagaa	ccatgagcca	aataaacctc	ttttcactac	ccaaaaaaaa	aaaggnccagn	120
gnggccaatt	cagnttggac	ttaaccagg				149

<210> 345
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 345						
tatatgaaga	aatctggcct	cccacagaga	cggatttggg	aacaagagga	ctacacagac	60
cctctgacag	tctcttgggg	gacacaatgg	cttgccaagg	gatccttgat	acacacttcg	120
agaaccactt	gcatagacca	tcaccatcat	cctggaaggt	tttttcaaaa	aagaccacta	180
ctctnacttt	cttnaanaat	aacattgcct	tttcttgatc	ttnatggatg	gggaatcatn	240
antgacntgc	tnntttgaaa	taaaggacnt	ttgaaaatan	aaacntggac	ctatgaanat	300
atnaatcgga	tgaagattct	gaagngccct	gatgntacta	tttatggntc	gnttaaatat	360
tccaacttaa	tggaagggcc	ctnggggggg	gatttggcca	cccttgg		407

<210> 346
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 346						
gatgctgtct	tctgatgaaa	acagaatcan	gaatgagtga	aacatggaag	tttgaaaaga	60
gtgaacatca	acactggaaa	ctcaagagtg	tggtaaacag	agaaaattaa	tagaaaccag	120
gaaacactta	aggtntatct	gaagtttgtt	gtcttgaatt	gatgtattaa	ttactcttg	180
aatcaattta	ctgtatttgg	tgaaccacgc	tttcagtggg	gttcttctta	attttcgcct	240
actgttctac	ttgttccaaa	tgtgtgtatc	atgtattttt	tcttttagat	ttttctacct	300
aattagcttt	gattctgtca	tcaggattga	ttttggctaa	aataaaacac	atatatgtct	360
ttt						363

<210> 347
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 347						
gacttgcctg	gctcagatcc	tccattcaag	agagctacag	acacgggggt	gctgggtgagc	60
aggagccgag	accatctggg	gtgggaccga	ccaagagttt	gaggtgtcca	gggggtgacn	120
gtgaagatga	cctatcgag	agggctccct	ctcattcacg	ctctgaagtc	tgacacgggg	180
caggggctac	cgtgctccat	tcagtttggc	ctctgttgta	tcagccagag	gccagcagaa	240
ctctatggtc	actccccgt	gtcacggaca	atttgccacc	tccaccggca	gcccagggct	300
ctgcctgaat	attctcgctt	gatcgtagga	ttgtggggag	ggatattctc	attgatctct	360
aaagaaaata	ttggtcgctt	ttt				383

<210> 348
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 348
gatgatcatt cttgaaacca gatcccatat caagagaaag tcaagtaatc atgaagagag 60
gccacatgaa ggtgttctgg ccagcagtgc cagctgaatc tcagttgcaa gccagcatga 120
ccaccagaca gggaagtgaag caaaccttca acggaggcaa gcccagcct tcaaaccacc 180
ccagccgatg catggggcaa ggacgagcca cactggcaa atgtgcccac actgcaggtt 240
caggaggaaa ataatgatg gtggtgttct cagtcattaa gttttatggt ggtttttaag 300
gcaaccaaag acaactaaga acatttactc tggccaataa aaaaatgaat gaaagtgatg 360
tgtcaattcc atgtggaaag ngttcattcg ccagtagtta agacattgga agcaagcttt 420
tccttcttgg tgcaccaatt angaaaagaa gtggtgttgg gggatgtgcc ctcttcat 479

<210> 349
<211> 614
<212> DNA
<213> Homo sapiens

<400> 349
cagaaactga gcccaggctc taccgacctt taaactacaa cagagctttt naggagaaat 60
gcggaagaga cggcntttcc accccgggac cttaccagaa aaccgcgaca cccagncac 120
aattggcttc cttcattcaa gccnagaaaa agggactccn acttttcacc accaggggan 180
gcccccttt cttggtggct tgggccaant tgcaaaaagg cctngtttca ttgggcattn 240
ccacaagggt ngggggggaa nttgggnccc ccaacccttc ctttcttang cacctttan 300
aagnggttnc cttnttgttg ggcaagnaac aaccaattg gcnttaagg ttttcttct 360
ttttncaaa cttnccttgt ttngggtctt ggggcnnaag gtggnaccgg aatcaattct 420
tttccacttt gccatttaaa ttnaagtnaa gttcaacccc ngaaacaatt tccttaatac 480
cttggggccc cccccaatt tncctttttt aaaanaaacc aaagtgtggg cctntcccc 540
ccacttgggg aaatttattt tctaaaatat tngggaacnt tagaaattaa aaanttgga 600
gaaactttgg cccc 614

<210> 350
<211> 380
<212> DNA
<213> Homo sapiens

<400> 350
ataacatgtt tcaaagtggc aaatttcccc taagaattgg aaaaatggat aatacggatt 60
ggggttggag agcccgggat tctgattaaa catggaatct gagaactggc agaaagcctg 120
gaactgatgg aagagagggc tctagggcct ccatactaaa tggatgaacta ggaactataa 180
aagagataat gtggtgaaga gcttcagcca tcaagttatt ctaaaaatga agtagggcat 240
tttatatgtg gagagaaggg cactgattat tatctgacta ttgctaatat gtcccataga 300
acttatttgg aataattttt tactattaat ttgaacaaca gcagtggagac tctttatatg 360
tataataaag ctaattttac 380

<210> 351
<211> 373
<212> DNA
<213> Homo sapiens

<400> 351
gtcagatttc ctgcaaggag gatctacagg ggcccagcac taccttgaag gccgtgaaca . 60
gccacagagg gaaagccgcc ttgagtatgg agcaagactt cctcagacag gtctcatttg 120
tgtcttcctt tccagcagga ggaagacagc acctgccag agtagtttta gagggcactg 180
cactaaagaa ggagaactgc aggggaagat cgtgccttaa tggatgaaac atttcccaa 240
tggcctggct atctggagag atgaggactt gctcattagt agaagtttcc aggcaggcc 300
tgataagca ttgctgcag ggggtgggga aggtgaagg tganangana nctctaagat 360
ttctttgcct tgg 373

<210> 352
<211> 405
<212> DNA
<213> Homo sapiens

<400> 352

gctataaaga	cgccttgaat	cctcctccac	gatacccgcc	ccactatttg	ttggcacagc	60
tacgatgctg	cttatggatt	gttttctactc	ctaaagacag	tggcgcaagg	caaggtgacc	120
tggagcgagg	ccatcctgag	tgcccaccca	gcgtcccagg	agcctgttgg	aatttgggaag	180
gacatttgcc	tctgtttata	aagactggct	ttttgctgaa	agccagggtc	tcaaaaattt	240
tgttttatta	atagaagcta	aaccccaaac	atttggctct	ttttcattcc	atttccccctt	300
tcacaatctt	aactattccc	aagacaatgg	atacctctgc	ctgtatcaag	ggcngattgt	360
caataanaaa	gtcaacagga	aataaacntt	ntttttttca	aaatt		405

<210> 353
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 353						
ctgatttaag	ttanttcng	gggnccnaaa	cctngnaaag	gttttttnatt	agggcagcaa	60
agggaaaccg	ggaaccactg	angaggagca	gcagaaaact	tcacagcttc	tttgggtggg	120
cagcagactt	cagatttact	ggaagccaag	aaaggggaag	acagcagcag	gagggcttga	180
ccagctagct	aaataagtta	agccatggaa	agaagcagaa	gaaggaagct	caagaaatct	240
cagcaacaaa	cactcatgga	cttttttcta	aaaatggaaa	tttaaaactt	tctcgaccat	300
gacccacaag	aaatacattt	tacacgttgc	atccaggaca	tagcaatatg	cctgtgagcc	360
actttgtggg	tgaagggttt	ncatgggtgag	cttgttttaag	ggaacatggc	cccnggggt	420
ntcctttttg	gagattcccc	ctggattttac	tggatcaaag	tctt		464

<210> 354
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 354						
ggaaatgcca	caagactatg	gccgtgcaac	atttccgcag	tgctcctcgc	tacaaagaca	60
ttcccctaag	gctgggtggg	aactcaacac	tcagctcagt	acgtgggtcag	ctcgtcctcc	120
ataggagcct	tatgccttgg	tgaggagatc	tctgaagaaa	ttgctgatga	aagtccaaca	180
ggctcttcca	gtttgtcttg	tgggtcacat	ttgctgaaac	ctggaggaat	tgtagtgga	240
agctcaacag	gcctgactca	gtctgactgt	ccattcttct	ggaagctgca	gagaaaagaa	300
acctggaaac	cctatatgct	gacaaaaagg	gacacaattg	gatatgatgg	ttattttacc	360
aagggtttga	aatgtcgtgc	tttcaaatat	aaacagactg	ctttaangga	tcnaaaagtgg	420
ccttttaaa	ccaataaaa	gcctgc				446

<210> 355
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 355						
cagcccagac	gtggtcaaca	agaacactga	gcagaaaaac	aaccttgagg	atgaaaacag	60
ggatgttctc	agttgaagcc	cacactagaa	gagctattta	aacagcacca	aagtgtctgg	120
attacagggtg	tgaaccgctg	tgcttgaccc	agtgtttcta	aaatatctac	aaaaacagtt	180
tggagttagt	cctaggcaat	gctttgctgg	aaatgggatg	tgtgatggac	cattctaagg	240
gagctgaact	ggctgctgtg	aagacatcag	gaacccaagt	gagactgtgg	tacgtaagtc	300
aggaagaagg	cacttgctctg	gttttgaaaa	catgtccttg	ggatggntag	tgccnncagt	360
tcacaaaaaa	agcaagctgc	cttgttaggg	nanggannc	accanttgaa	aacacctcca	420
ntactgccan	tanaaacagt	tgattt				446

<210> 356
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 356						
aggctgagaa	gtccaagatc	gagggatctg	gcagcagatg	agggcctttt	tgttgaccca	60
gccgtggca	gaggggtggaa	gggcaagagg	acaagaaaga	ataataaatc	aaacttacag	120
cctcaagctc	ttttataacc	agcatcaatc	cattcatgag	gatggaacac	tcatgacct	180

aacacctccc	tttaggctcc	accttccaac	atttggtaaa	ttgggggatta	agttttctaac	240
acatgatttt	gggcgggata	cattcagatc	agaccaaaag	ggcaaaggga	ttttgtatac	300
acagagaaga	agttgatgtg	aagatggagc	agagagccgt	ttgaagatgc	tagccttgcg	360
actggagtca	tatggctaca	atccaatgga	tgctggtaac	cnccaaaana	tggangngnc	420
ccggacnaaa	attcncnctt	ggaacctcca				450

<210> 357
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 357						
gtccttccag	aagagcactc	cccatcaacc	cgcggggcagc	tgaattccca	cctcagactc	60
tgctccaagg	gcgccgtgtc	tacggaggcg	acgctgagga	tggttatca	ggttgggtca	120
ctcaccacac	cacgaggacc	tgaccttaaa	ttctcggtgc	atcctaagtg	tgaccagag	180
accgcctgcg	tcagaagcac	ctagaatgct	gtggaagcac	cttcaatgca	gattcctggg	240
cccaaccctg	gttccactga	atcggggtca	gctgggtgggc	ccaggaattg	gcattttcaa	300
cagcttccaa	ttgtacacca	gaatactcaa	gcttggtgact	ccctgctca	ctgntttctt	360
catcctttct	cacttcctgc	tgagtacata	tnatttttac	tacttttaaa	aganactttt	420
accaataaag	gccggcnttg	aaggggaaaa	aaaaaagcca			460

<210> 358
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 358						
gaccgcaatg	ctcctacgat	gatcctgtaa	cagaggtatc	ggacaccaac	cntgggannc	60
ctccttcaaa	ttatgggaca	tcaccaacaa	tcaatcacta	agagaagaaa	taatttagaa	120
gaagaattca	tttttggtta	ctcaaataa	acccaattta	aaggagactg	ttatttctct	180
tctctagtaa	gctacagaca	ggatctgctc	cctttaataa	gatgcttggt	taataacatt	240
tatttacaga	gtaaaatttt	ctctttattt	ccctccacac	taaaatattt	acataaactc	300
aaaccactta	tggtgcctat	tccaaccagt	ttcttgctcag	agtgagttagg	aaaattcttc	360
attaaatgtc	attgcctttg	gggnaaacag	aacataaatt	aaaaaccccg	ctttatttta	419

<210> 359
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 359						
gccaagagat	gcaaaggatt	aatcatgaac	ccagttgccc	agaggtggaa	aaaaaaaaatc	60
tggttggtga	gactgaagaa	gcnagaagtt	atatgaacac	caagaggccg	gcaacatgag	120
tgtggcctga	gtctgacgcc	ttcgcccacc	ctcttccaga	tcacctgac	cgaaagaagt	180
tacgaaaata	gtcanaaatc	tgggcctgcc	tggaagagac	ataaagattc	atttacatgg	240
gaagggtgact	gctctgaata	tccacagacg	acgaatctat	gctaattggt	cagtctccca	300
caaattctggg	atttatataa	ctggctccta	cccttggttc	ttgccagcag	aaatgcttga	360
atttatcttaa	ttccagaatg	naaattattc	ccattctgan	ggcntcattt	ttaagctggc	420
aaaggncatt	tttttnacag	gctaataaaa	aaatt			455

<210> 360
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 360						
atgatgtcag	aagtgggggtg	caaagtanag	gcttctgaca	acccccggga	gtactgagtg	60
aacaagcaag	gtatctgcag	aaccacttg	tgtccaccga	tctctcagag	tgccctggaga	120
tcatggacaa	cagaatgcag	tgtgagggat	gtcaagtcac	ctgggaacaa	cactttctta	180
agaattcacc	tcaatttctg	cgtttttttg	aaaggtcctt	aattgtttgc	tgccctctgca	240
agctagacat	ctctttcagc	aaatggagac	ccagatgggtg	aggcaagaga	aggaatgacc	300
aaattaatga	aaatgttctt	tcagcttggt	attgagcttg	ntattctcct	gaatgcttgc	360

tctgcgactg ntatgctaac tgaccctgtg ggtaaaanga gaaaggaata tctcntttgg	420
ttaattttaa aaatantaat aattgacaaa aaaaaaaggc ccccg	465

<210> 361
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 361	
gctgtaggat gacgcatgat gcaagtctga agttgtatgt ggccatcttt gccaccacat	60
tcagaaagct tacctgagaa tgaagtcaac actggagaga aagagaaaga aagagggaga	120
acatatcaga atctctccac aatggcaaca aagatgggtca ctagcaagtc caagcctcca	180
ttctctttaa aacttgcaat ccttgaggac aaagaaaaac gatctttttt tccaatatct	240
atgttacttc taaaagaagg nattaaggaa agcctgnatg aaatttcatt catnantcaa	300
gaccatactg gccttgaata aaatttataa gc	332

<210> 362
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 362	
ggagatcggg tggaaagaca gtggactgat ccaagagccc agtcttgatc agcccagact	60
gaggggacct taagagatgg gaagactgac atttacaact tccccaactg gccgtgatga	120
tcttaagtac agccactgag gaagccaact taagaatctc ttcttgacct tgctcagaat	180
tctatcatcc ttcttctctg cccaaataaa attcccactt ccacaaaaaa aaaaggccan	240
cgnggccaat tcagcttgga cttaaccagg ntgaacttgt tcaaaagggg ggg	293

<210> 363
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 363	
ttgtgcgtca ctgcaagact gcatggtaat gaagccaagg cactgtgggc caaaactctg	60
ctgctgtga gaagagaagg gacagcggct tggagagaca gaacggcaaa accgctgctg	120
ctgctgtctc tgcttctgct gctgctgctg ctgctgtctg ntttgcagct gattgagaca	180
ctatgttgag tctacaggat tctgtgtttt ttgaaattag cataaagtc ttgttaaagt	240
cctggagcag cagctgaagc caagtaggct gccagggcag tcagaagaac agagcagggtg	300
aagctgcaca gcatgcagt gtgtgtcttc ttttggggcc aagcctgat caacttacta	360
tttgccaacc cccggctcct ttccttctga gtaaatggcn ccactatcct atgagtgatt	420
caagtaaaaa tgctcttcag cgccagtcag caaagtaaat aaatca	466

<210> 364
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 364	
tcacgaacaa tctggatttc atgtcacaag aggaaacaga gtcactactt caagtactgc	60
accaatcaag tctgttctgg taataatgtg aggcattgct caagacctcg atacatgaaa	120
gcaattactg cagatgcctg gctgttggca ctgttcagct ttaatgtagc agtacagaaa	180
gttatgcctt ccacctgtga tgactgatcc tagaacctgc agacaatgag tctaagctga	240
atacaaaaa taattatcca agtaaagagc ccttgttcaa ttc	283

<210> 365
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 365	
aaatgaagat ggcattatga aaggcgattc ttatactcag aaggaaaagt tcccatggaa	60

gccatggatt	cattcatgac	aaagtgggtg	gcctgtttgt	ttgcttgaga	ttggcaaaaa	120
tccaaaatgt	ctgtgcacac	tgctgggtgag	gctatggtaa	aacaattaca	tatttctggt	180
tggtgtgtcc	ttgtgaagtg	aaatttggca	gtaagtaaca	aaattactca	tgcatttccc	240
acggatcagc	atctccactt	gacataaaat	aaatgctaga	gatacacatc	tacaggatg	300
aactacaagt	tctgtagtat	acaaggatac	aggtaattta	ttctgttgtc	tatgatggca	360
taaacagctt	aaagtgcctta	ttaataaggg	gcctggggtt	gttaaag		407

<210> 366
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 366						
agcatgctgg	acagcctgga	gctggagccc	acctacaacc	ccttgcatgt	tcaaagccac	60
ctgtactcac	acctgagcag	catctatgcc	aagcctcagg	ggcggtcca	cccacactgg	120
gagagccgag	ctccgagaaa	gcatccctgc	aagactgggc	agttgcagac	caaccgagct	180
cgaactactg	tgccccccct	gcctatgact	cctgtcccag	gcagagcctc	caagatgccca	240
gcagccagca	aatcttcttc	agatgccttc	ttcctgcctt	cagagtggga	gaaggatccc	300
tcaaggccct	aagtcaccag	caccagagcc	cagctgcccc	gcttaaccat	attcatgctc	360
aggttcacat	aatgggctat	ttgnggtcaa	gacttgcttt	ttttccccc	ggganccttt	420
tntgngggag	ggnttnattg	ggaaaanaaa	nagcctttcc	ttgtcc		466

<210> 367
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 367						
ccattcccaa	atgcgttacg	taggtggaag	ctgggtgagt	gtcaggaaac	taaactctgc	60
aaaataagat	gacaccctct	tggaagattc	ggaaaagtgt	atcagacttc	aagagccagc	120
tcagctacta	cttcaagcta	acctttcttg	agacctcccc	tttacctgct	ttcatctgtg	180
ctgcccgttg	acttaactga	atcacctagt	ggactgaaac	tggccaaact	ccaggggccac	240
ctatcatgag	cagccttggt	tgctggcaat	ttgcagagtt	gcaaggggta	aaggactggc	300
tttgactatt	cagtctttca	gttcatcaca	tcttgccctg	atgactgcag	tggccactaa	360
gctggtcaca	gagtgagctt	tcttaaatgc	aagtgtnaag	gatngnnaaa	ccctcaaggg	420
gctttnantt	tttccaaggg	ccctgtncct	tggaggggca	taccattgaa	gggta	475

<210> 368
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 368						
ggctgggacg	atgaaatgtg	atgggctggg	aaactcaagc	cngccccag	gtgggaatca	60
ataaagggga	ncgggtggtc	tttggcttat	tggtntggcc	caagcctggg	tcttcaaaac	120
ctggggccctg	gaaatcaaat	ggctttccca	ccctcaagct	tggcccagaa	gggaaaccgg	180
ggggaattac	caggggccctt	gaanccact	ggcaggccca	gcccaggtn	tggttaattt	240
tttaaatggg	aaaaattctt	taantaaaaa	caaacctcaa	gggaagctct	ctttgtcn	300
ttttaaaaa	cccattttta	aactttcttg	cttaaatccg	ggaagnngta	atatttcaag	360
nggcaaactt	ttggaattct	tgtggcctcn	cttgggggaat	gccaatcc	ttcaagcct	420
tgggcnccca	aaaataaaag	gtcttccgc	ttgattattt	aaaacc		466

<210> 369
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 369						
aagccaaaga	ttttgcagaa	tcaaggatgg	atggagtatc	aaaataagga	acggaaaaaa	60
ctgaagatat	actaaggatt	aaggcccagg	ttcatctagt	gtccccaggt	gccaggcatt	120
gtgctgtgac	tgtgatgtga	aaaaagaggc	caggacaact	gggtctcatt	cagtcagact	180
ggagtgcagt	ggtgtgatca	cagctcatgc	agccttgacc	ttccagactc	aaacaatcct	240

ttcatgtagc	tgggaccaca	ggtgcatgcc	accatgatca	gtttatTTTT	aaattttttg	300
tagtgagcca	ttgagtccag	cataatcctt	ctaatttagt	tccttatctg	aaaagcgagg	360
acattgtgac	aatgatctca	gaacactggt	gngaaaanta	aantctnaan	ataaagggtg	420
ggggcccaaa	aggctttaat	tgggaagtgg	cttaancat	aaaaaaaaaa	gggta	475

<210> 370
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 370						
ccctgaagga	ggtgctccag	cggcctgctc	cgctcctgtc	gaggcttcct	gaaggcctgt	60
gttctcacct	gcccttagtg	gaaaccttct	attcatctga	tctattttct	tgtgggtgtc	120
agggccca	tgtctccatc	tccctttcca	gtcctaagat	atctgttatg	ggctgcattg	180
tatctccaca	aaattcatat	gttgaagctg	atatgatttg	gacctgtgtt	cctgccccaa	240
tcccatgtca	aacgccatgt	gatgtgtgtc	ttccctttgc	cttctgcatg	attgaaagtt	300
tcctgaggcc	tccccagaac	caagaagatg	ccgcatgctt	cctgacagtc	ttcaaaacga	360
tgtgtcaatt	aaatctcttc	tctttac				387

<210> 371
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 371						
gctggagtgc	cgnggcacga	tcttaactta	ntngnacnt	tngntccng	ggttnaacca	60
nttttctgt	ctcagcttcc	ccagtagctg	gggattacag	cgccctctgg	taggcattgc	120
agagagaaga	atgcaaatta	aataagaaaa	gccctctgcc	cttcaggagc	ttttggtgaa	180
gatctctttt	ttaaaaagct	gcaagactgc	tgcccgaagt	gggacacaca	acctaaataa	240
gggcgagaac	cggcaaggac	ggcccagcca	cgtggaaccg	cctcgcaact	ttggcgagca	300
acttgagatc	ttctagagac	ccaggagtat	gttgcttcta	cctcagactg	gggagagggg	360
agcttcccca	aaccattggn	gggagatgaa	natntcaacc	anccgaattc	ctgttcacga	420
ccaacctgtt	gtgagctctt	ctgggggatc	aacaatggct	ga		462

<210> 372
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 372						
ttttctntat	gaaaactact	nntcacantc	nnantccttt	nangttaaaa	antnaaaggg	60
naggccagnc	ccgggggttc	accntgtan	tcccagcact	ttggaaggcc	aaagcaggtg	120
gatcactgga	ggctactttt	tgttcttcca	atgcctattc	attcgtctcc	tctactcccc	180
gcttccccct	ccttcataca	ccaactcaga	gttcgaggca	cctgcccatt	tccttccaaa	240
taaaactgta	aagaggttac	aat				263

<210> 373
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 373						
gaagtcaagt	tgattacttg	gcatcagccc	ttcatcacag	atactactga	aataaaaaaac	60
caagggaatg	tgaaaaaaac	ggaaggacac	tgaagcccg	gggaaataa	tgaagtataa	120
gtgcttcaga	gagcagcaag	aaatggaata	atattttctt	tgtgaggacc	tcagtaataa	180
caacccatga	gtgatgggac	ttattgcaaa	tggcaagagt	gctgttgagg		230

<210> 374
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 374
ncatngtnng ggagttgntg naaccactgn ctgactcttc atancaccnc gcttttncct 60
tggtcctcna cactgggtgg ggagccctac nttccatgaa gncttggaac acnggggtgga 120
tcggnntctg cntatcacag ccatacaatg actcttcagg aggaaatacc agcctagacc 180
gtctcagggc ttaccaaactn gtgacnatag gtgaggtgna gccagactag actnacacca 240
nttcggnatg atctgacgga anggccggca gaccctatat cctcagatgt gtcccatcc 300
acctggcaca tgtctggaac ttncattac agaggggg 338

<210> 375
<211> 412
<212> DNA
<213> Homo sapiens

<400> 375
caacctcgaa aatgtccaac tgcaaagacc catgtctaca aattgctgtc agccagagga 60
atggctgtaa cttccttggg gccgaggact cctgtctcag ttctactta cagtatctga 120
gtcacttaac taaatgcaat cggtccagct gcaggcacca ctgctcgggc cactataaga 180
accagccctt gagcttccgg acaggaaaca gcatctgcat ttccagactg tagcagctca 240
tcatgccagg ctccacaggc aagaatcaag cagatggaag ctacagagga aacaaacagg 300
gttccctgaa atcagcagct ggggagaatt tatcttaca ggggtggaatt cttgattctt 360
tcattacatg tcctcttgca gcagcagcaa aagtaataaa aaataagagc cc 412

<210> 376
<211> 416
<212> DNA
<213> Homo sapiens

<400> 376
ctcagggccc taggggagtc acaaaagatg aggacacgtg aagactacag ctgcaggcct 60
agaagactct ctcaagaaca actgtcttgg attcccacag ctttcccctt tctgtgtgca 120
ccactcagga ctccctaccc tgccccacaa gcctgcagat tctgagatga cctggaagga 180
acggaacagg aaggcgtgag ctttggcacc agtttaacgt agaactgtac gggccaaaca 240
cagggccctt gattatagaa aaaaataggc ccattgtctt ggtgggtgga accaaagcat 300
agcagcatct aagaaaccag tttctttgtg tccagtgatg agggcttagc cctaaaatat 360
tanggtgggg agggaggagg ggtgaaanng naaacatact ttaataaaat agatta 416

<210> 377
<211> 253
<212> DNA
<213> Homo sapiens

<400> 377
tcaacagtca taactttttg aggacacatg tttattgctg ctgctggggg cagctgctct 60
tgtaccact ttcaaattgg ctgtggaaga gacaaagctc atctggctgc tggggcagtg 120
gcatcctcat gcaagctggg ctactggtgg ctgccctgt gacctgcttc tgaatggcca 180
ggcaggaaaa gtctccact gtgttgcat taaagaaaag aaaaagatga attaagtaaa 240
aagctctgca aac 253

<210> 378
<211> 303
<212> DNA
<213> Homo sapiens

<400> 378
gctgaaatga accaactca gcagaggccg cggcagagtg agagagctgc ccatgctggg 60
agaagccctg gtctttgtct ccacaaatgc tgaaactgac agtgtttctc ccagagtcca 120
agtctccatt agccaagcca agagcagagg aaatgttctc cactggagga aagaagaact 180
gtcgacacca gaaaatttcc tgctggaatt ctgcccaga atagctggcc gtcctagggg 240
ggtccatcat tacggaactt tgctgtttgt aaatttaata aacgactcac atctgcttat 300
aat 303

<210> 379

<211> 382
 <212> DNA
 <213> Homo sapiens

<400> 379
 gtgtggagca gagaaaaggc tataccact gatgaacagg gatccacacc tggggaagaa 60
 gcaagtatga ctttctctcc tgtggcttta cacaacctcc ttgaaattcc aagagcaacc 120
 ctcccagcta aagtcttctc agatgtgaca cgatctgcac aagcagaggc ggcacagggt 180
 ttggcttcca gttgggaaat gaagctccaa gggcagccct actatggcgg gctgtgtgac 240
 ctgggccaag ccccttgaca tctccagact cggcttccac atctgccacc accaggacac 300
 tggattgaat gttgggtacg ttgtaaggca agggagacac agaagtccta aaggcaataa 360
 agcttttccc cactgcccct cc 382

<210> 380
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 380
 agactgggtc tcactacatt ggccaggccg gatttgaatt cctgggctca gcctcccagag 60
 tagctgggac tacaagcatg taccaccatg cccagttttc tgcagcagtt tttataaacc 120
 aaattttcca aattagaaag actgacccaaa gaagcacttt tatacgagga ataacttacg 180
 tatggagaat ctcaacttgg accagtcaag accaactcca gcgatgaagc cagaatgtaa 240
 tatacttcaa aaggctaaag aagtccattt tcccagatgt aaattataat taaaaaatag 300
 tgagccaaac tctaatatcc caatgtgata atctttcaaa taaaaatatg ggctgtagtt 360
 cagg 364

<210> 381
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 381
 aaatgttaag ggagttaatc ttctacaagt ccagtcattg gctttcacia agggccaaga 60
 aaggagtccc aaagctcgcc atgactcaac aggaagctct ttgtgtcttc ctttctacac 120
 catgtctgac aaagaagctg tcttaagttc atgggcctct gtctcttgcg tgaattctga 180
 agtcagtga gcaacaatga tgtcattgct tctgaagacc actgttggt gagataatga 240
 agatctcttc acccaaaaaca ttgccatttc tgcagcatac atttctacc ctttcaaata 300
 caaaagtatt ctaccgat 318

<210> 382
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 382
 ccagcagaca tcaaggactt ctgaggagcc tgggtacctg cataggcact atggaccctg 60
 ttttgcttaa cccaccaaac agccaatttt agcagacatc ctagttttgc aggtgagaag 120
 agctgaggta cgaagaagtt ttgttaattt ttccagttca cgtaacaagt aaatgggaaa 180
 ccaggatgaa aatcaaggtt tatctgtcgt cagactgtta ctcataatca ccattcggag 240
 agttcanatg tgggacaaga ttctaactcc nnccttctcc caaatgggta atntgccagg 300
 tgccttanag ctacatatgt tcttatttgt gtgatnnact gannctgnct gaatnttana 360
 agccttgat cttntgnant nncaaanaca naagagnccg nggggnntat ttaaattnga 420
 antnaaccgg cctgannngc cnaaaanggn ggggcttccc agg 463

<210> 383
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 383
 gtggggctct tcagtgagga cactcaagca gctctgtgga gaggaaccat cttgccagct 60

ccaacatgcc	agccatgtga	acaagcccag	gtggcaaate	acccagcctc	agtcaagctt	120
tcagatgacc	acagccccag	ttgatattctg	actgtaacca	catgaaacac	caaactctgg	180
actcacagaa	atcatgagat	aataaacaat	gattgttttg			220

<210> 384
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 384						
gcaaagaaac	aaagaggaag	gtgtggatgc	tcaccagaa	gtcttgtctc	ctcgcagtc	60
cttagaagct	caatcctcag	gagacagtgc	actgggggtt	gccaagggga	cctgaaatac	120
cggtttgcca	caatcctgac	caaatcggct	cccagggctg	agaagggaga	agggtgtcagt	180
ccattcaaaa	cccattcgtg	ctgattttga	agtggaaaaa	gaaaaaaaga	agcaaagaaa	240
agcattgctc	agcaatgggc	aggaagaaga	gttaagaggc	tgagctcttc	ggcaagaaat	300
gccatagctc	tttcaacttg	gacagagcca	ggaccacagg	ctgggttgtgt	caaaaactgg	360
gtgttcttgc	ttagtgcata	aggtttggtg	gttttctctc	ctctttcctt	gagccctggc	420
acttggggac	cctg					434

<210> 385
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 385						
attgtgaatg	ccagcagaac	agctgacccc	aaacagcttg	aagaccccca	caacagaact	60
gaatcagcat	gaaaatgcag	tttctccacc	tctctgttcc	atgacttcac	cctgcactct	120
tccaccaatc	aatgggtctc	acactttggg	cgacaccaa	acgcttaaga	acccaaccct	180
agcccaaat	tccttgggga	gacagatttg	aggagtcttc	ttacctcttc	atttggcagc	240
cttaaaatta	aaactctttc	tttgcttc				268

<210> 386
 <211> 542
 <212> DNA
 <213> Homo sapiens

<400> 386						
gtgacatggc	ttacaaggct	acttgtaate	aaattctcat	ggctcatccc	catttgtgcc	60
ctgaactcca	aacgtactga	gttacctgca	gttctgttaa	tccagcatga	ctttgtcctc	120
caagcctttg	ctgtccccc	tcattccttca	gttcctagct	caggaatcat	ctccatcaag	180
gtttccctga	cttctcccat	ttcccaagtg	aggcggttcag	agagtcctgt	gcttaccttt	240
ggggtagcac	ttacatcctg	ctccctaact	gtctgtagaa	tcattctgtct	tcgctgtctt	300
tgagcaccct	gagggcaggg	actgcagctg	ttatctgggt	acatacaaca	ccaaataaca	360
atgcctaagg	catgccagat	attcaataaa	tgtctgtgta	agaagcaaat	gtttaaacat	420
ttccttcccc	agcatgcctt	ctctgactat	ccccacctcc	ttccagaagt	actcacctaa	480
tccatgcgga	caccatagac	caagtgcatt	tataaaaactg	gtttataata	ttaaatgggt	540
ag						542

<210> 387
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 387						
gtatantant	tcttatangn	nngnnnnnnn	nnnnnnnnnn	gggatgctcc	ttcctggacc	60
cagccaccca	ctgggaaaag	cctaagccac	gtggagcanc	tacatagaag	agggccgggg	120
ccacagctac	agccagcagc	tcctgccagc	cacgtgagag	agctaccttg	atgttccagc	180
ctccagagat	ctaagagctt	ccagacatct	accaccccag	ccacaccacc	tgagccaatg	240
tcccacagag	tcattgggaga	taataaaaag	ctgttgttct	ct		282

<210> 388
 <211> 263

<212> DNA
<213> Homo sapiens

<400> 388
aggcaagttc tccgttgccc aagctggcct ccaactcctg gctcaagtga tcctcccacc 60
tcggcttccc caagagatgg gggttacaggc atgagccact gtgcctggcc tcacaagatg 120
ttgttatctt tgttttacac tatcaatgcc catgcgtcct tacttaatta ttaaccactg 180
tattgctgtt cattcttcct gcattctcata tcttccatca gggatcattt ttcttctaca 240
taaaataaat catttgtaat ttc 263

<210> 389
<211> 292
<212> DNA
<213> Homo sapiens

<400> 389
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gggcctggac catagaactc acacataatc cttcatgttc ttatgtgacc acacagatga 120
acaaagcaag ccaagtgtgg aaacgtgtta aagatgacgg aaccacaaga tggaacaagc 180
ctggatccct gaatccctcc ttggaggatt agtgcacaca aattgtaaag agccaccag 240
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<210> 390
<211> 244
<212> DNA
<213> Homo sapiens

<400> 390
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agtacatata gaagaacagc atcacaccac atcctatcac caaggccagg attctgtgcc 120
tccgcccccc tccccacctc cttgaaacgg gggaagtagg gggaagagtc aattcttctt 180
ggagcacatg agatggtagc ttgctgtggt gtcctgaaag aaaacaaagt ttgtaaatca 240
ctgt 244

<210> 391
<211> 436
<212> DNA
<213> Homo sapiens

<400> 391
ctgaggaata tatgattggt ttcttggaaac aatttcacag ctggcatgga actgaaaccc 60
tgctactcag gggaaattag gatcagctct tgtccagttc aagctgactc cactgagcct 120
ccaatggcct gtatgaatgc ccaatgagtg cccttttgac atcagaaggc caaaaactcc 180
accctcagat tgtgccaacg acaccatctt gcgaacgtgg atcctatgaa aagccatgaa 240
gcttaactgc actcgcacag atcagcaatt acctcacttt tccttaccac caattaactt 300
tttccatgca ttggctgcct tgcttcttta ttccacaaaa atccttatgg ccccaactttc 360
aaggagggag aaatttgagg gnggttatcc cacctcctca cttggctgcc tcatgaataa 420
aatcttttct ccctgc 436

<210> 392
<211> 178
<212> DNA
<213> Homo sapiens

<400> 392
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gaacactttg atgcattggc tatgattgtc tttctgtttt ccctaccctc atctctagcc 120
ctgtcccagt atgagaacat ggaaactcat tttggaaaat gtgaaatgag tgatcccc 178

<210> 393
<211> 263
<212> DNA

<213> Homo sapiens

<400> 393
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gctgcatggc aggtgaccat tatcaccagt gtcgccagcc aggtcacctc tctgaatttt 180
gtggttgcaa cctccatgat tccctagagc tgtttttacc cagaactaat gaaaaattct 240
gcacattaaa ttcattgctat tag 263

<210> 394

<211> 267

<212> DNA

<213> Homo sapiens

<400> 394
ggccccaac agtgtcatag gcctgatgga gcagcgggaa ctgcctgagg gtaaagctga 60
agttcctcag aaaccagacg gccttacagc ctcttctactg ctcttttgaga tggagagaa 120
gaaatgcaga tgagtgtctt ctgtacaaa tctcatctct ccaagctgaa gttgccaagg 180
aacatgccat cactgtaact gctaaaaaca caacgtataa tgaaatgcat cttctacaaa 240
tgaatctgtg aatacagaat agcctac 267

<210> 395

<211> 180

<212> DNA

<213> Homo sapiens

<400> 395
gcacacatag ttctttttgg cgtcttatct tctgaagctg cctcaaggcc aagcaaagaa 60
agttgttaaa aagttaagtt acttttcaca gcctgcaaac ccttcaaagg caagaactca 120
aatagaaact tggaaaggca gataagccag aaaagtgtac taataaacgc acttaatatg 180

<210> 396

<211> 428

<212> DNA

<213> Homo sapiens

<400> 396
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gtctccgagt tggaaagtgt agccaaagaa tttcagtgat tgcgttttgt gtacttacac 180
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tggccccacc ccacctcatc ctgtgcctat aaagacccca gactcaatca gcagagagga 360
gaagcagctg aatgttgagg agaagggact tgacttcaga gggacagctt gatggagtaa 420
ccggagaa 428

<210> 397

<211> 285

<212> DNA

<213> Homo sapiens

<400> 397
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ancgaggtga ggccttgaaa tcaacatctc cgcctccttg cataaaccct tcattgagac 180
tctctttoca tttgggcaac ttgatgtggt tcaagagcat ggagaattga tctcttaaga 240
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<210> 398

<211> 169

<212> DNA

<213> Homo sapiens

<400> 398
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 tcatgcctga tgttatacaa aaactagcaa taaaggctta ttctttcct 169

<210> 399
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 399
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 tcttttgaaa cgtcttgtgt aggcagtagt taagaatatg ccaccagaa gaataccaga 180
 tgaataaact tacaatatatt ttgaataaag ctcaatctaa caat 224

<210> 400
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 400
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 tnnnaaaang nmatntnggn nnaaaaaacc ngnnancccc ttcttcccc ntccagaaac 180
 ctanaattna cgttctacna ctccacaac ccaattccaa ctctcttnt taatatgtgt 240
 aangngtate tgccccatgg gccttctgga tgtgttcatc aattctgaaa aactctgaac 300
 tcggaagctc agtgagcccc agggtttggg gtaagatatt acggacctgc ncttnagcca 360
 aaagtgcctn cgctcactct actactgunc tactguncct gacggngat gtcccncaaa 420
 gccnccttgc tgtggggcag gggggcccc tgtccttttt ggggaa 466

<210> 401
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 401
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 ggagagcggc gcctgaaccc ttctctacca tcaagaactc aagaactcag cctaataaat 120
 gtgggcagaa ttcacataca ccagctccag gcctggccca taacacttcc tgcatgatct 180
 gggatgcaaa cgatccagtg gaggcctccg aggccttaag gatgaagcag ctggagacag 240
 aagggcctgg gtccctgaat ggctgggagg aatagagccc cagtgcagtc tacttgcacc 300
 cccaccttga ctctgacata ggcagaaata aatttttaca ctctaaaatc 350

<210> 402
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 402
 agatgtatca aatgggagac ggccagcagt gatcaagtct tgattaatac tgaaaaacag 60
 aagcttgtgc tcacaatccc tgccattaca attctttata gtatgtaagt actttaataa 120
 acattatgaa gcg 133

<210> 403
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 403
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tcaataacaag atgcttttact ttgtcacaag aagcatataa taaactcaaa gctgcaagga	180
tatatctgta agggaaaattt tttcttgatc tggctggcct tgaacataat caccagaaag	240
actttttgtg ctcagatatt atggttgtaa atgaggattt ttttcctcac ataagaatgt	300
atctagtcca ttataaaatg ttattgatgc	330

<210> 404
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 404	
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aaagatgatt cgacttcagt gggacagcta gactttggag gacagacggc ttaacttcag	120
ggaagagcca gctagtgaac accggacttc aggggaagatt acctgcccac cctgaccct	180
ctccagctcc cctctctgct gagagcaact tctatcacta agtaaaattt tctacctcca	240
cc	242

<210> 405
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 405	
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gtcggccttg gacacaggca ttctggggct caccaccagg tgttccacgt gtcaccacta	120
gacctcccaa ccaggagacc ctgccgctgc cccagcctgg agacgtgaca cttctcccag	180
ccaggaggct ccagtgaaac cagggattcc ccaggctcac cctgactcct catcttgta	240
acgtatttaa tctcctcct gtacatgaaa taaatatttc atctcatct	289

<210> 406
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 406	
caaaaggaaa gtcacagcca gagaacgtga ctcccgggtga gcctggagcc agcgtgactg	60
cagagggcca gtccccaggt gatgccggta cgctggagaa ggcctgggaa gatgtgcgga	120
gacagacacc tgggacacct aaggaccaag cccagagcca cgctgctgct tcccagctg	180
ccactgggct gcatgaaggc agaacatctc cagtgaattc aacattcagc tccaacctta	240
agcctccacc atggccaaga aaggcattgc tgctggggga gaaatggaca ttaacactgc	300
ttcaaaaggg tgctgaaaaa cacccttcat ccccgatggc ttagcttggt gaattcacgg	360
gtacttgcct ctgaccctca tgagtctatg tagaaaaacc tggttgagga actgtttggt	420
gacaccacca tcagct	436

<210> 407
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 407	
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aggcactatc atggaagtcg aaactgggtc ttaccacat accaaacctg ctggtgcctt	120
ccttgatctt ggacttctca gcctccanac cngtaaggaa ataaattctt tttttaaat	179

<210> 408
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 408	
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ctagctgcga tatgccaga ttgttttaag ccagccaaaa acaaacagtc tgtattcact	120

agaatggcag	ttatgaaagc	cttgaataag	ataaaggaag	aggatttcct	taagcagttt	180
cctgtgcctc	caaactcacc	aaaggctgta	tgcgctgttc	ttgaaattga	atgtgctcat	240
ggtgctgttt	ttgtagctgg	gagatataat	aaatactcca	ggaatctacc	acaaactcct	300
tggataattg	atggagaaag	gaagctggaa	tcttcagtgg	aagaattaat	ttcagatcat	360
ctgttggcag	tattttaaagc	agagagtttt	aattttttcat	cctctggaaa	aaaaaaaaag	419

<210> 409
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 409						
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ctgtgcccac	cctgcgaaaa	ctgggaagaa	atgaagaagt	catcctcttc	ctgagacaga	120
gcccagcagc	cttggggcgg	ctgagagaag	atgggatcca	cgtggcccat	agcgaccccc	180
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ctgccagggg	ctctcgcact	gacgctgctg	tccttaatgc	ctcaacagta	caggcaacat	300
gggctacgct	gagccctgc	tctcctggaa	gtctgggtatt	ttgggtatttt	ggcagggtgcc	360
aggcagaggg	tgcctaagac	cagcccata	aagtccctgg	gccttcccc		409

<210> 410
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 410						
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gttacgcatt	gcctgtcact	aggtatgagg	ctgcctccga	tttccacact	nagaatcang	120
gctgcagngc	cctttgtgcc	catggctgnt	gatgcacaca	ggattcttnc	aaaacaagag	180
gccctactct	gtgactgtna	gccttgccat	caacactnct	ntttggagna	nagctncttg	240
ntggccctga	ggcaggagnn	ttctgagatc	ttnacntatg	ctgggcttga	tccangcctc	300
antacaggtg	aagaaacgga	ncctgtaaaa	ntgaagtggc	ctgcttaagg	gccngggctg	360
aaagtctgag	gcctgggttn	aanccaaacc	cnggcaaggc	ttttgagaac	tccaccnttg	420
ctgccatctt	acgtccaggg	agg				443

<210> 411
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 411						
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tgatcccat	acaaatacat	gtgatgacat	ctgttg			96

<210> 412
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 412						
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gaagacccaa	tcatcatgct	gacgaatcac	aaaaagatca	gtaaagccca	cccactctca	120
caggtggtgt	cactgtggct	ccatcacatc	agctagacct	ggccatgcag	tcccaacttg	180
ttacctacag	ttccagctgc	caactcaggc	catctcactg	aatgaaatac	ttgcttcaac	240
attgaagatg	tttctcttgg	ccactcagag	gaaacaccct	ataatgaaca	ataaacaata	300
ggactc						306

<210> 413
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 413
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 gagccagggt ccacaatgct tgatgantac aatnttttca ngaanacagc anaacagcat 120
 gaagaaaaga aacctggatc tgcaagtgcc taagcagtga gcaagacccc accaactn 180
 ggccactnct tcttgacca tccttaataa agttatttc 219

<210> 414
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 414
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 aatctctatg cgggactctg aatgtgggtca agaagaagat gtactggatg cacattccct 120
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 cagctgaaac atcttttctt catttctttt aattcctgta gcatttgatg tctccaccgt 240
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 gtcttgccct cccaagaaag attaaaataa gaatccttta aaaacaagag cttactggng 360
 ccagggccng acttagactt agagtaaacc ncaactactg gcttcacttc aagctgacct 420
 aaccatcttc ccagcgaaga cggnaacct ggaacta 457

<210> 415
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 415
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 aggcggtctc tcaggccagg gtggctccac ggtcccagcg acatgcaggg gctcctcttc 120
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 acaagtgcgg gaaacaagtg tctctncatg ccagctccaa gcggaggctc aacttttcat 300
 tgntggttgn caaaaggggc aaanagcccc tgggaaaaac caaattttga cagggga 356

<210> 416
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 416
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 ttttaatcgc cgctcattaa aagaaacact gactgggtc 99

<210> 417
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 417
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 caccacttat gacacagaag actctaccaa aggaaatcaa actacagaac agcaacaaaa 120
 ctcaaaannn gnncttttgg cttttgtgtt attaaaatat tttctcagca gac 173

<210> 418
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 418
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 aggacagaaa ggaagcccaa acgctttaca tattgcctgc ttacacccc aggctcaagt 120
 ccagaaagtc cctgtgatac aactctccag tgatttcccc tgagggtccaa cctagtaggt 180

gcttaaaaaag	tctttgttgt	aaattaataa	attaatccaa	aaccaccaca	ctgctatttc	240
ctectaccta	tcttcctgtg	cctatcataa	gctgtatcac	ctgggggaaaa	aacatttttc	300
agctaaat	agaacagga	gggttttggt	ccataattcc	acttctagta	atagattcta	360
aggaaataat	cagatttaga	taaagatagg	ngtatgataa	tattcaggca	atgggggttt	420
caatagtgga	aaggtgggat	caacctaatt	tgaaaaatag	cca		463

<210> 419
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 419						
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tacagcagt	ccattaaagg	agtgggcatg	tggcctattt	ctggccctat	gaagcaaaag	120
gagaggtctg	ctgggagact	tcctgaaact	gctcttcttg	gaaggaggga	aacaaacaaa	180
acaacaacaa	aagaacttta	caagagaaa	ctttttatcc	cagcccttc	ctactcccat	240
tgaatgcagc	tctgtgagga	cacgatattt	gaagctgcag	tagctgaggt	ggcaaaagat	300
ggcagaacag	aagagcagac	agaatctggg	tcctagatga	cttcattgca	ctgntgcaac	360
tgncntntnc	agancntntg	gcnnngggna	aaaaatnaaa	nggcntcntt	gnttaanccc	420
ctggganact	anattntgtt	ctttgccact	gaatgcaccc	taatgctgga	actg	474

<210> 420
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 420						
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ngagagcccg	atttgttngc	tttnggcccc	tggantggaa	ttccagnggg	aagatngnna	120
tgagagttna	ggnetacgga	tgtnctata	aatcagacgt	tgctgncttt	gatggccnna	180
nctnacttct	gnacaggntc	aatnaaaagn	tgatnantac	tntcaaanat	gtgatctncc	240
tgaagttaa	natcatgcna	ggagatgggg	tcctgttcca	tggagaaggn	ggggggggag	300
accacatcac	cttgggaactc	cagaaaggga	aggctcgnc	tacacctcaa	tttggnggnt	360
tgtagttctc	cttgaagagg	tccttcacat	cccttgtaag	ttggaaaaac	attccatgct	420
catgggtagg	aagaatcaat	atccgtgaaa	atggccatac	tgcccaaggt	aatcttg	477

<210> 421
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 421						
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cctctggatt	aaaagggatg	tttggatgaa	gcttcaatct	caagaagagg	caagagaaaa	120
ctaaagaaaa	agattattct	acagaaacaa	cacatcactg	gatgcctctc	accatgcaat	180
cctctgtgca	cttgagaaga	agacaagact	ctcctatttt	tagatgggaa	agctgaggca	240
aaacgggatgc	acttgggcaa	aatcatttga	taaaaatgga	agctgaacct	cc	292

<210> 422
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 422						
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gacatgtcat	gaattcctga	accacaataa	atctgtga			98

<210> 423
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 423
aaattccnng gactaancnt gancacaact ccatcggcctt tgaagattct gtgccttcta 60
nttctgccta agaataagaa gaacttaata caaatggaaa att 103

<210> 424
<211> 376
<212> DNA
<213> Homo sapiens

<400> 424
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aactcccggg accaagcact cagcccgaca cgtcatactt attaaaaaca cggagggtcgt 120
gagtggattt ccacgtattg ttctagatga tggagaggcc tgaagagtga ggagtgggga 180
agaaatgtca tgcgtgtttt cacctgcacc cttgtttcag agaagtgaat agtcattcat 240
ctctgggtcaa caaaatgata atagtagcag caacaataat attctctttt ttgagcact 300
tcttatgtgc caagtacttt atgtatgcat tatcataaat aaagcttttc accattncct 360
taattctttt attttt 376

<210> 425
<211> 78
<212> DNA
<213> Homo sapiens

<400> 425
agaaaagcaa tgtcttgcag tttgggtggga gagagtatgc agtcaccaac atggcatgaa 60
tttaggagtg aataaacg 78

<210> 426
<211> 330
<212> DNA
<213> Homo sapiens

<400> 426
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gtgcagatac tccataggtg cttaggagtg tnaagtgttna gngactgctg caagaaaaga 120
ggagatacga tctgatcact tagacttcaa atccaaacct tgaaaagtcc caccagtggt 180
aggactcttg ccgccttgag agaacacagc tgatgtccgg aagcaatatt gntaacntta 240
ccaataantc caatcaaacc ccaaaaaaaaaa aaggcccggg ggcccattta ncttggantt 300
accaggctga acttgnttaa aagggggggga 330

<210> 427
<211> 291
<212> DNA
<213> Homo sapiens

<400> 427
tgatcctaga ccatccccct tcgcccttgt tctcaactgg ctgggaagat tcaagagagg 60
cttccaacct gctggcagtg acggatggca gtgcagaggc acacaatggc aagtgcaggc 120
gcgtcaccag ccttgcagct ggccttccaa agaaagaacc aaagtccaag tctgtcctga 180
cagaggctga ttttaattaag gttatagcaa agggcagaac tgctgtggg ctgcattctc 240
tgagaggggc caaagacaat gcattaaaat acttctcagg aagaaaaaac c 291

<210> 428
<211> 304
<212> DNA
<213> Homo sapiens

<400> 428
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tcagcaatgg gggaggaaaa cgagcgcact acggggtaaa ggaggtcacc caagatctca 120
agttcacgag tggcagcctg gattcaagtc cctgcctgcc tccagaacct gagctctgaa 180
acgctggact aatcagaacc tcttggccct gaaaaatgag gcctattgaa cagagacatt 240

tgtaagaaaa gggactatta caacctattg taaagtaaca agcaaataaa aaatgaaatg 300
gccc 304

<210> 429
<211> 248
<212> DNA
<213> Homo sapiens

<400> 429
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gggcttttct ctctcctgat gagatgatgc aaatggactc catagagaaa cgctgcccgt 120
gtaacaatgc agttacgcaa cccggtgcat gacacatgaa ttgcagcgca cctgagatcc 180
tgatgaaatc ctgggagcct ggagctgtca aacatgggtt taaaaaataa agggaataca 240
cccagccc 248

<210> 430
<211> 460
<212> DNA
<213> Homo sapiens

<400> 430
ctgctccgtc ctgtccggag gcttcttgaa ggctgtgtt ctcacctgcc cttagtggga 60
aacctttctat tcctctgatc tattttcttg tgggggtggt caaggggccc attatgtctc 120
catctccctt tccaagctcc aaagatnadc tggtatgggg gcttgccatt tgtaatctcc 180
accaaaaaat tcattattgt tggaaaagct tggattattg gattttgggg gaccttgtgg 240
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tcccttttgg cctttcttgc catggatttg gaaaaagttt tcccttggag ggccctcccc 360
aagaaaaagc caaagaaaag aatggcccgg tccattgcct ttccttggta acaagtcctt 420
tcaaaaaaaa cgaaatggtg gtccaaattt aaaaaatctt 460

<210> 431
<211> 176
<212> DNA
<213> Homo sapiens

<400> 431
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ttctcaccac tgaggctaca aaagatatct acacctgcaa ccctttccct ttttttcttc 120
ttcccttttg ttatgatgta taaagtgtcc cttatctgat aaagagctaa tcattc 176

<210> 432
<211> 301
<212> DNA
<213> Homo sapiens

<400> 432
gtgcctcggg atgggaaact tcctaagatg ttgttttggc tgtaaatcat gcggccctct 60
cagagcaatg catttgtgtg atttgcccaa ttgtgcatga gtacagtcag catggaaatc 120
cagttcaaac tgcagaagat cagcacctgt gagctgaaat gtgcatgtgt attttacagg 180
gtggaggata gtgaagacag attcaagcga taatacatca ggtttaaatc ttctataaat 240
gagattggat tactgcagct gataaacatg gaaatgagta attaaaacat ggtgtgtaag 300
g 301

<210> 433
<211> 443
<212> DNA
<213> Homo sapiens

<400> 433
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cagcaccaag caggagatgc agtacagtgt gcccaggacc atggcagcca tcacatatgc 180

cctccactgg	ggaacaagaa	gtgcgttagg	ctgatgtact	ccactccacc	tccatacgtg	240
tttgtgcagt	gacaccagcc	tggagggcct	tctatcgcca	tctccctcct	ctgtaaacc	300
tacccactct	ttgagtcttg	gncccagggg	ctgntgctct	ctntntctca	aatgatttct	360
gtgttctcat	ttgtctctgc	cttctctggg	aatctttggt	gccacagggg	aatctcctgt	420
gtgtcactcc	tgacttcgga	agc				443

<210> 434
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 434						
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tagagaggag	agactgctga	cctgctaact	gaaaatataa	gcaagccctg	acatgccaca	120
ggccgtcgga	agagacattt	gcttttgagt	acccagccta	ttctactctc	tgacttatgt	180
agatgggaca	aatgggtgcc	tgggcacact	catctacaca	tcagcctgaa	ttagctagta	240
aatcacaact	gcagtagcta	ataacagcca	taaagccttt	tgaatggt		288

<210> 435
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 435						
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taagcagcct	atattataaac	tgctctgaaa	tgccaggag	caggtaactc	ccaaatgaaa	120
aagcaagcag	gtctctccca	ccatcagtgg	gatggctgag	ctgtctgtgg	tgctttgca	180
tcttgctgct	tcgtgaccc	tgaaggtctg	ccccagcctc	aggcgaccaa	gcctacagcg	240
acctcaagga	gcagctgcct	catcagtgt	tgtaggaggc	tcaggatgga	gaggggtctg	300
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tgctatgaag	ttaaaagagg	aat				383

<210> 436
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 436						
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atgggtgaatc	acaatttttt	catctgactt	ctgttctttg	ggctctgact	cttcatcaga	120
atcaatgtca	agggccttct	ccttgtagtt	ttgatacagg	acagcatttt	ctgcaagaaa	180
acaaggccta	tgtgtcacta	attgtttctca	atcattatgt	tacttgttct	aaataaacat	240
catatgtacc	c					251

<210> 437
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 437						
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ggatctgaag	ttgctggaga	agattttgcc	taggctggcc	agcaactggc	agacaagagt	120
catcctttca	caatgctgga	gacagtagac	cttcttcagg	accacaagca	agtcaccatc	180
tctgggtcac	agcttctctca	attaaaaagt	tagaagatag			220

<210> 438
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 438						
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acaaatattg	atltttcaaga	tcaggaaaaa	taccgggacc	agaagacaaa	tttcagagcc	120
acctaaattg	tggagtctaa	taaaagattc	ctttctccta	atgatgtgac	catccaaagg	180
atacactctc	agtgtaaacg	taaacccaga	ataaaaatltt	atcatcacc		229

<210> 439
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 439						
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accaatgctt	cttcagcttg	aagactaaca	tctagaagag	tcatgaagtc	taaagtcaag	120
aggagtctta	tcttctagaa	agtttttcaa	acatcccaac	ctcaaaaagt	ttggctaaat	180
ggtgtttctc	tacagcccca	cacatgcaaa	catctttatt	gcacttggtg	cattatltttt	240
tcttcgtata	tgtgntlttt	tataagtaca	tttatatgaa	ggnatatttt	gaaataaaga	300
cacttcctc						309

<210> 440
 <211> 756
 <212> DNA
 <213> Homo sapiens

<400> 440						
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aaatcngggc	catttnacna	aaaaatgaan	tnngcnccca	agggttttcc	gggcccgttt	180
ggggtggnaa	aaggctnttc	cggttttgac	tgggggcaca	aacaaaaaca	aatccggctt	240
gctcttaatg	cccgcctgtg	gtttccggct	tgtcaagcgc	aaagggggcc	ccccggtttc	300
ttttttgtca	aaganccgac	cttgtcccgg	tgcccttgaa	atgaaacttg	caaggacgaa	360
gcaagcgccg	ggctatcgtg	ggcttgggcca	cgacagggcc	gttcctttgc	gcaacttggt	420
ctcgacgttt	gccacttgaa	ancgggaaag	ggactggctt	gctattgggg	cgaaatgccc	480
ggggcaanga	tctcctgtca	tgtcaccttt	gctcctggcc	gagaaaaagna	tncatcatgg	540
cttgatgccca	atggcgggcg	ggtgnatacc	ctttgatncc	ggttaccttg	gccattcann	600
cacccaaccg	aaacanttgc	attcgaaccg	aacacgtacc	tcggaatgaa	acccggcntt	660
gtccaattca	agaagatnct	ggacnaaaaa	caatnaaggg	cttcgcgccc	acccccaaact	720
tgttcgccaa	ggcttnaaag	gggcgcattg	ccccc			756

<210> 441
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 441						
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gtgggtaatg	ccataaacct	ttggccagga	cataagcagt	agaagcagcc	tgcattgtgc	120
atccatgaga	aggccccgct	gtgactgcag	aggcaggaaa	ccaggtgtca	gtggagacaa	180
aggagtccctc	ggcgcgtgaa	atgggacttg	gagcagggcc	cgacgggagg	ggacagagga	240
tggctgccag	ccagacagtc	ctaactcggg	gaattcagtg	accacagcat	ccccgggtga	300
cacggctgtg	aggccttcag	agcatcacca	ttcagtcacc	cctttttaca	ctgggggaaac	360
tgaggctcaa	ggaagtaaag	cagaaatgcc	tttagcctgg	gcaagaaggg	acctgtccta	420
nccttgcatt	ttgggagcag	tgcttcttca	actacctaan	gcaaangacc	catttggggt	480
tcaacctctt	atcttgttca	nactgatagg	ttaataagaa	acaataaaaa	tgatttgccg	540
ggcaaggngg	ntcacacctg	taatnccacc	ttttggagnt	gaccggcgag	ataacctga	599

<210> 442
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 442						
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ccnacntttt	tggnagtccg	aggcgggncg	ggntcacgaa	ggccaggagt	tcaagaccag	120

cctggcctat	atggttgatc	cttctagtct	cgtggcagaa	ctttgtagac	accaagcgag	180
aggggcagcg	tggtctggac	ctcatctctc	acacagggct	cacctccgga	tgagtcagag	240
gccttagccg	gtggcccagc	cccgggaatg	ccaccccgtt	tctgtaccct	gcccaggcca	300
gctgacaggg	tgtattgggg	cacacacctg	cagcatccag	ggcactccaa	ggagagggac	360
gtactttttg	ggagaagtct	aaaagtctaa	gtccaccacc	tgaacttggt	gggggaangg	420
cttctatacc	aagagggctc	cccgcctgtt	cttaaaagcc	atttaagcag	aatgacgtgg	480
ctcttcaata	aagtaaaaat	gggtcatgct	gg			512

<210> 443
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 443						
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aatggaaaga	atctgaggtt	tccactaaaa	gccaaatacta	tcttgccagc	catgtgagtg	120
agtcaccttg	caaatggatc	ctccagccca	tcaggtctac	aaataactga	agcctcaagc	180
tgacaacctg	actgtaatct	cataaaagtca	taattgacca	act		223

<210> 444
 <211> 618
 <212> DNA
 <213> Homo sapiens

<400> 444						
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ccgcctccca	agtagctgga	actacagatt	ttaacaatca	gaactcaggtc	aacagtgggtt	120
gagataatgg	cccataattg	gtcccagaat	gcaaacgtgg	catttctcca	ggattccatt	180
agctcagaat	gacaaggtga	ctccctgccc	ccacctccct	cacaagatgg	ctccccgggg	240
cttctctctga	gctctgtccc	tgctctgcac	ctccctgtgg	ggacggctga	gctgctggtc	300
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atgaatcaga	gttgatgct	atgcatataa	atatttaggc	ctgtaagggc	ttctctttgg	420
tgatctgatt	ccaccacata	ccaggtacct	cagcataatt	caaacattcc	tgcaggaaag	480
ggtcataatc	tctgctctat	taaagtccaa	tttatccttt	aatgaaatc	tactcacagt	540
cctgcagatg	aagactactt	nctgccgatg	accacagcgg	ctaagangct	gaggcaggag	600
accgcttgac	ccagaagg					618

<210> 445
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 445						
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tggttgagaac	atagcaaaaag	cagctcttct	tgacaaaaat	ggaaagaaac	atcctcaagt	120
ttcagtgtct	aatatatttt	ccgatcaaga	ctacaagaga	tcagtcatta	caatagcaac	180
ttctgttgat	aagttgggtg	acaagcgcaa	ccaagcctaa	aggcaagtgc	tggtgagagg	240
tcgacatcca	ggaaccagag	gagggcagag	caatccacag	aatggatctg	gggtgactca	300
tgaggaaaa	ccaacacaca	gtaccattta	attcttttta	aaaagatgga	aaattatacc	360
ataccngaa	ttactaaatt	cttaaaagag	ggggtttntn	gcattccatt	tgnaaaanaa	420
ngtttcccca	tgttctttta	aaaattcatt	ttaaaccac			459

<210> 446
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 446						
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acaccactgg	tttctctggg	tctccagctt	gtagatgact	aatcatgaga	cttcacagcc	120
tcataaatcg	gaatgaaaac	aatggctagt	cctggattgg	tcattcttta	ctttgatgag	180
atgctgaaaa	tgaaagccag	gactgaggga	agattgaagg	agtctgaacc	tctgacaaca	240

tgaggtacca	taccaaccct	ggactatcta	cctccagact	tttcatgag	taagaaacac	300
ctagtttgn	caaaacagta	ttaatttgga	tctttgntac	ttgcagttaa	acctaaccct	360
gaaataacct	cattctcttg	aagtaaattg	ctttcaaaaa	cct		403

<210> 447
 <211> 635
 <212> DNA
 <213> Homo sapiens

<400> 447						
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ttngaantnt	gcctgtccan	atgtnggggc	cagagattta	gaccctcatc	ctcaaggcct	120
tattcctcac	aaaagccata	tgtaaaactg	gctgctccac	aagggtctgg	atcctgtgtg	180
tctcattccc	cactgtgtca	tcaagtgtcc	agcacaaaac	agagctcagc	aaatgcttgt	240
cgaataaatg	aatgaaaacg	tgctcagcac	aggaggttaa	aggcaccagg	accccatgga	300
gagagagtac	atgctgagtt	ggctacatct	gtgccaaaact	gtgaaagatg	acaatggaga	360
tatttctctc	tacagtttct	gaagatggac	ccagcccaac	acttctttcc	atgcctggct	420
gtttttaact	gcaggcacag	cactagctgg	tttgtctcaa	agattatggg	tcaaaagaga	480
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tgctcttctt	gcctgacaat	tcgaacaagc	agcttgactc	tgtatttgag	gccccactcc	600
cttttggtta	actagaccan	actaatttac	tcatt			635

<210> 448
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 448						
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gccccctgca	caaaaaaaga	a				81

<210> 449
 <211> 616
 <212> DNA
 <213> Homo sapiens

<400> 449						
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tctgctnaca	ttctgagaga	tctgcaactc	aggcaccttc	tgtggacatc	aagctcacgt	120
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tgccccctcg	tttattcaaa	catggagttt	tctttcctat	ttatttttgt	ttgctggcat	240
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atgatttttg	taaaatccag	atataattgn	tgnttttttt	tattcttgcg	taaagtgtga	360
aatcttgcat	accttcattg	nattttgtaa	tcagccccac	ctatttcac	ttcatcttct	420
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tacctgataa	ctattactgg	aataaaaaac	cggactcacg	ccttagaaan	aaaaaagggt	600
atcaaagggc	aacaaa					616

<210> 450
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 450						
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acacacagat	gctgccacag	acacacgcga	gcgcaaatat	ttacacactg	ccacaccgaa	120
gaaatccatg	cacgttttcc	tgcaaacgcg	cgcgcgacac	cgtaacttcg	cgggcgccca	180
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aatgngccca	gtgataatga	gtagnaccta	tgngggactc	ttnancttaa	angantggca	480
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tgngngcatgg	ctcaatt					617

<210> 451
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 451						
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gccaaagatgc	ccagtgcagt	accagcaaga	tggccaacgc	ctagagctcc	cttgttgatc	120
tgaaacctcc	ccttttcctt	acttctccct	ctgttcagaa	tgtgtagact	tctctaagct	180
ttgttaaacc	tgtttacaac	ttc				203

<210> 452
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 452						
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ggataaattc	ccttccagga	gaggccacaa	ctgaccacta	catggaagag	acagctgctt	240
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cctcactcca	gaatgcccc	aggtacctga	ggatgtctca	gatttggggg	ctgcaccgtc	360
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cttttaaata	taggtttgcc	aactc				445

<210> 453
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 453						
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tgtctgggaa	ataaaaggtc	agagagtgtg	ttagcaccat	caagcccaa	taccagaat	180
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agttttctgc	aggcaacatc	tgtgtgcatc	ttagttgtca	caggtctggg	caaagttaga	420
gatgaataaa	ttttaaaaat	aaacaactac	aaaaatacac			460

<210> 454
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 454						
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tccagccacc	agcctcagca	gaggtcccag	cccacagtca	gcaacaactc	cagacacgtg	120
agtggcagca	agatgatgcc	agccgcagtt	accatctgat	tacaacttca	taagaaaccc	180
tgagcaaggg	ctgcccagct	gagttcaagc	aacgccccag	acctgtgggt	gatgataata	240
aaattattgt	tgttttgagt	c				261

<210> 455
 <211> 591
 <212> DNA
 <213> Homo sapiens

<400> 455
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ttccactaca gctgagtcag aaaggctcgt gccctgtggt ggcactagac gcagtggacc 180
tggcaagcaa atgtttccgc tattagctct cagcaacaga gactcattta tggtcacctt 240
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ctgttagcag agtggaggag aaaatacaca gcacaaacaa cgtgaaaaaa tagttactct 420
attcattaaa agctgttaact tccagattgg acttgagaag cattaaagca acagaggacc 480
ctcatctact atctgtattc aagcatgctc atgaaaaaca cgctgctcaa ctggacttan 540
aaggaacccg ngcatnacan gcattttctg acagaatctc gtgggcctgg t 591

<210> 456
<211> 475
<212> DNA
<213> Homo sapiens

<400> 456
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caaaacccac gctcttttca ctgtgatgca cggctaatac tgagctgagt gatgggaagg 180
gagctctctt tnggggattt tcangatacc ttcaaagatc angntggntc tgtttgcaga 240
cccaactttg caaaggacaa gcntgtgtct tnaactcacac tanctcggcn caggttctga 300
gcccttttgc aatnggaagt tatttaacct gatcacanca aaatgaaaga ttatttgaaa 360
accngggatg tgaaattctt ggaacccaaa gaaaattatc ccatgnttct ccaagnacct 420
ttgccacccc ttgtggncct gctaggnacac atggacccca aacctttcca gaaga 475

<210> 457
<211> 145
<212> DNA
<213> Homo sapiens

<400> 457
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agcttctcca gtgattgatg tcagcagctc acccganagc caagaacatc anaggtggga 120
tgatgatgct ngtggctatg agaca 145

<210> 458
<211> 434
<212> DNA
<213> Homo sapiens

<400> 458
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gagtatagtt tccagaatcc ccgcatttca gtgttcccaa agggctgaat tcttgtcaat 180
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aaggccatct aacaggaaca cccacattgg actgtgatat gggcaagaaa taaacttta 360
ttgcattggg tcagtggagaa gttttatctg ttacggcagt tacttctact ttaataaata 420
caatgcatta tctt 434

<210> 459
<211> 493
<212> DNA
<213> Homo sapiens

<400> 459
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aggaggcaca agaagttagc aaagaaaagcc acctacttct tccgccttaa tttctctaag 120
cacttatcaa gcagaagaat cacagaagaa tacaataaat ggtctagaaa ctgcagtgat 180
gatttactaa aggaagagcg tggttccccg agcaatggcc ccatcctcga gcccgaaagac 240

cactgcct	aaatgaggac	agacatttgt	ttttgactc	aaaaaagttg	ccttggtggt	300
cgccatgccc	cctaattcttg	cccccaata	aactcgagac	cttagcgggc	acgcactcaa	360
gtggctgaac	atggagacca	gcagaacagt	gccggcgga	tgacatggcc	gagaaagaga	420
gaaagangag	ggacattttg	gaccccaagg	gaaatttggg	ccgggggtggg	tngaaaaaaa	480
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<210> 460
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 460						
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cagaagacag	ctactgagat	tctgcagatt	ttctaaaagt	gacatttcta	ttacacattt	180
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tacatcatca	atctgctaca	ctacccatt	aatccattca	ttcaataaaa	tacattgtta	300
tgtgccagat	actcttagac	aagtcactta	ccccnttagc	ttcatttcct	tacccaaaac	360
ttgnggatca	ttatacatgg	ttgataacta	aggaaaggat	tttg		404

<210> 461
 <211> 583
 <212> DNA
 <213> Homo sapiens

<400> 461						
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gggtggatgc	cttgcccttg	gatgggaaga	atccttgcaa	gtcaagacta	cattccttgg	180
caccaagggtg	gccaaagccc	gtaccgaact	tggcttgga	gcttaccttg	ggcaccaaga	240
aagaaatgga	ccctttcttct	tattgaacaa	tttcttcaaa	cttgggcca	ngggttca	300
ttcaaaacttt	tcttaaaanc	ttggnttncc	aagcccacac	caagtcaagg	gggaagtctt	360
ccttgggtatt	ggaaangnac	ttggggtnng	ttttgcttgg	aaaccgggct	tggaaattgg	420
aangggcccg	gggaaaccgc	cacccccacn	ttaccaacc	ggtnggggng	gaaaattggg	480
gcattttacn	aaccgnaaac	aaagtccccc	ttggcattgg	aaattccctt	tnntttttgg	540
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<210> 462
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 462						
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gcacatgttg	cctgtctccc	ggtgacagaa	gataacagag	gactaagagc	gcacatatac	120
ctcaagagcc	ctaaggctgc	cacaggaggg	taaacaactc	caccagcac	tgctccaggg	180
cggcacaacc	atcaactttt	catgagcggg	cccactggct	gctgtctgga	atgaagaatc	240
ctatgttgct	ttccagcctc	acatttcccc	tttgtgtact	acaaaatagg	agctgtttca	300
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<210> 463
 <211> 662
 <212> DNA
 <213> Homo sapiens

<400> 463						
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aanatgcttc	aanggagga	gccaaaggaa	gtggctnttg	cttggggggc	gccccacaac	120
ccttgctccc	ccgatgtcca	cccgtggatc	cacatccccg	cagccgaaga	cctcccgtgc	180
cttgaccat	tgctgcttg	ggtcccttgg	tcaaacaccc	ttctttatgg	aaacaccttg	240
cttgcccttg	ggctttcata	agccatttcc	gccctacttc	ccgtggaaaa	gttctaaggg	300
gacaagggga	aagaaatggg	gtttgggcgg	aaacgttgga	acccgggggg	ccccaaaggc	360

ccttaattgc	ccttnccacc	cgccccaaan	gtngggccctt	ggaaacattt	cttngggggcc	420
cccttngaat	tttttngggg	gcatttncctt	tcatttgga	caattttctt	ggnttttnatt	480
tcaatcaatt	tcccaaaatn	ggtttgggtt	cggttcccaa	nggcccccaa	nccggaattt	540
gnaattaaan	ggganngggc	ctttcctttt	ntaangggcc	caanggaaag	cntntttggc	600
ccccggnngg	aaccttggtt	tttnccacc	gtaacntttt	tatttttttt	ccatttttcc	660
tt						662

<210> 464
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 464						
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agtttaagat	ctaagagcaa	tactcaaaca	gaaatcaaat	aaatgtctat	gacaattaag	120
gcaaacatac	tcatttgtct	acaagcaaag	agcatttttg	aaagaacact	cccttggtca	180
aattttggtg	aactggttgt	ggagacaaaa	gtgactccat	cttggatgct	aatctgccat	240
gttgacttct	gattaacccc	agtctgggga	atgcctctaa	gatttctatt	tttatttatg	300
tatactgtct	gtaaaccctg	ttcttaggcc	aagacaccct	tgatgttatc	aaatcctgcc	360
cttaggctat	gacacacata	acattctttc	ctttttctgg	anaggggggc	ttcaattggc	420
cttatacatt	ccttntaaag	cacatatacc	ctttctctg			459

<210> 465
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 465						
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aatgacagtt	atctttacct	atcacttcaa	gttatttctg	tcaagaggta	atgacagtta	120
ctgaaaaaag	aagttctgga	cctttttcat	ttgcaaactt	atttttacaa	atggcttctt	180
ttcacataaa	ggatttgtga	tggtttaatt	ttgtgtgtca	acctggctgg	gccatagtgc	240
ccagatattg	agtatatcat	tgttctggaa	gtttctatga	aggtgatatt	tggatgaaat	300
tatttaaat	ggtggacttt	gagtaaagca	gattatcctc	catgatgtgg	acagacctcc	360
cccatcantt	gaaggaccgg	gccccaaatga	aaactgancc	ctttgaggaa	naaattctcc	420
aancanatgg	ccttttgtct	gtttctctg	agaactgnga	ctaatacagg	ttcttc	476

<210> 466
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 466						
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cctcanaagg	ccagccaccc	tcaangggagc	aacccattgg	nccagactt	ntcgcacgga	120
tgccagaaaa	actttnaatt	ggaaggaagg	cttgaaggtc	aacaatgggg	naaanaagtt	180
ttttaaaaaa	ataaaaaaang	gggagcctaa	tattgtgg			218

<210> 467
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 467						
cccgtgcatg	gtggcttgtg	cctatggacc	cagctgctca	agaggctgag	gtgggaggac	60
tgcttgagcc	caagaagtcc	aa				82

<210> 468
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 468
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actggacaac atagtaaacc tcacccctac 90

<210> 469
<211> 262
<212> DNA
<213> Homo sapiens

<400> 469
ataataagat ccttgaaagc aggcctgaac caccattgta caataaacat ttcttgcattg 60
aataaattaa tgaaagaatg aataataaaa caagatctct tcccagagaa agtttaaagc 120
ctctgaagac agcagacatc catttgaata accacataac aaagtgaatc atttatattg 180
caaaagacag agaaagcatt atacttgagg gcagaggagg gagaaagcat attactcaaa 240
taaagatgtg atactgaatt ag 262

<210> 470
<211> 265
<212> DNA
<213> Homo sapiens

<400> 470
cngggnttgn naaatnngcc cgtgaancnc anatnaancn cggcccacan aancaatggt 60
aggaagcata accagagtga atcgattcct tgatcctgct ctgccaaaaa attaaagagg 120
agcactcctg gggtttttaa cccagataag acttcagcca cagccgtatt tcccatgttc 180
ctggatctct tgttctggct cttattctgc ggataaaatg tggaatagag taagcagtgc 240
gagttctgcc ggttcattctg gcttt 265

<210> 471
<211> 268
<212> DNA
<213> Homo sapiens

<400> 471
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cgtaaatgt tgccgggattc ttgtaagcac agagaactat gaagacctga caaggagggt 120
atctttttct ttcattgctg tccaacaaga gagcacattg ttagtggtgct tgaattccaa 180
caaaagaagg catagaatga atcttggttg ttccctttta cttgctaaat atgtactgaa 240
tgaataaatg gtgcattata catctatt 268

<210> 472
<211> 456
<212> DNA
<213> Homo sapiens

<400> 472
cctgtctggg acctgcctgc agatttcagc cacttctgga tacacctggg acagggtctga 60
tacctccact gtcttacact gtgaagagcg ggacaaaccg atgagtgaca gactactgaa 120
tcaatccctt tttaagctgc ttaagttcca gatttagttt taaagagaaa aaaaattgtc 180
atctttttta aaagactgca tcttctttct cctaatagct aatattttatt gagcattcat 240
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cagaggcgca atggggncct tatactacca cctaaaggcn ggtnggatga ccatccctat 420
aactttgttt ttaattnaag acaaacatgt aattag 456

<210> 473
<211> 170
<212> DNA
<213> Homo sapiens

<400> 473
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ggccttgagg atagagccca gctttttcat tgccgaggtg gaaaactgag gccagatgcc 120
gtgggacaga tgcagagaat gataaagtca ccaaagtgac gtgattattg 170

<210> 474
<211> 467
<212> DNA
<213> Homo sapiens

<400> 474
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ctagggagaa caggattttg tttgggattt ttcttttgc tttttcgact gtgcctgggtg 360
gcgttcgcgg gnttgccant tttttaaggt ccaaccctgg cttgtttttg ggnaaaaaac 420
naaacnnaa cccccaanga attggncttt ngggtcattt ccttggg 467

<210> 475
<211> 440
<212> DNA
<213> Homo sapiens

<400> 475
cgagctgaaa ttaccataa tccggctgat gtttagactg caccatcgt tttttccatt 60
catctatgag taaaggagaa aaaaagaacg taaagacaaa atgcagctaa tactgaccaa 120
gacttacagg aacggtaaag ccctgtgatg aatgtcctgt tttttcctca ttcaaaagat 180
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ttcttctggg agaattaagt gaaactgcat gcaacacat gttaggcaca ctagaagtga 420
tcaataaata ctacttgagt 440

<210> 476
<211> 438
<212> DNA
<213> Homo sapiens

<400> 476
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gttccctgcc tgctttctgc tgaggaatca gggcagtggc gggggcggcc ccaccagccc 120
gcagtcactg gccagacac agcgtggac acaacacccc ccgcttcca cagctgctga 180
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tcttacagaa attgcacc 438

<210> 477
<211> 193
<212> DNA
<213> Homo sapiens

<400> 477
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gggttcaca ccgatggatt caactgaccg tggatcagaa ataccagaa aaaaaattat 180
atctctactg aac 193

<210> 478
<211> 345
<212> DNA

<213> Homo sapiens

<400> 478
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aagaatgctg tgcttaagta gcaatgtctg ctctgagcat ggcaggagaa attattggca 240
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gaaaagcata aacaaattaa taaattactt tctgacttct aaacc 345

<210> 479

<211> 240

<212> DNA

<213> Homo sapiens

<400> 479
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ctgaccttta ccatcggtat aaccnactct ttacctccca aggctcgctc atttgtactt 180
attttttctc attgtctctc aaatttancc aactggnatg aataaactgg aagtaaacag 240

<210> 480

<211> 504

<212> DNA

<213> Homo sapiens

<400> 480
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ctctncgttt natctccctc tactctnact ctgctgtctac caagtcagac ttnttttcan 180
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cctcctntcc cttatgggnc gataatccca caccgnttta ccatgctctc tggccttccc 480
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<210> 481

<211> 274

<212> DNA

<213> Homo sapiens

<400> 481
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gaatttcaga agacagagtt tgaacatcac tgacctttac catcggtata accaactctt 180
tacctcccaa ggctcgctca tttgtactta ttttttctca tgtctctcaa atttagccaa 240
ctggtatgaa taaactggaa gtaaacagtt ctac 274

<210> 482

<211> 299

<212> DNA

<213> Homo sapiens

<400> 482
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gcttgtgatg ggctcagagt cttgaaacac agaactatga gctcatctca tatcccaatc 120
cagcagcatg gaaacctcag actgtaaggc ccaagactgg cacttggtct ctcccaactc 180
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tatactatta ccttttaggc aaaacatcct gaacatgtaa aataaactaa ttaaaatcg 299

<210> 483

<211> 395
 <212> DNA
 <213> Homo sapiens

<400> 483
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 cagaggggag aaggctggac ttgcagaaca cattgctgtt gaagaagtga caggaagatt 180
 cagagctcac aaagaagaca ggtcagacgt ggagaggcga gccagcagaa caccctcaga 240
 aatactgttc tcctgttcgg atggccagtt ttcataatattt agaataatattt tcaaaaagca 300
 cttcaatata atgaagttcc ctacagttata acaaggccat ttttcatagc tatttgtgta 360
 gatagtccaa aagtgtggtg tgttatcaga aaggg 395

<210> 484
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 484
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 accatttcac atttagcacc agaatccagc cttggcagat tcagggaagg aagccaagga 180
 cacagctggt ggtgaagaca gaaactcctg tgtgacaact gccccctagg acacagttta 240
 gggtaatta acatttcctg aacaacttgc aaatggaaag agccatcccc aatgaagact 300
 gaaaaatgag aggtcaact catctattat gacttgaacc caagtctatc tgtgtttgca 360
 aaggctgtgc tgttgccact agacctccac ccagaaacat gttttggggc tgacatttta 420
 atagaaacat agagagggaaa 440

<210> 485
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 485
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 ccttgtgttt gtttctctgc ccagatgaga aacaccatc acctctgact ttccaaggag 120
 caaatcacgc tccgtgccgg gtcccccaa caacaccact ccctcttccc ttgcgatctc 180
 caggntcct ttgacactt 199

<210> 486
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 486
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 cntennaacc acncnagtt gcttcnagcc tccttngcgc cagcacatat ctgcancctt 120
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 caactccagc aggaattcc agaggtgaag gtcacgggag catctttaat cttcggttcc 240
 cagtagagaa gatacccaaa gagcaggag caggagccag ctccaggcta tacatttgtt 300
 tattcatcaa tcattcattt atgcattaat cattcattcc cccacccaa aaaaaaang 360
 gccagnngg ccaattcagn tgnacttaa ccaggctgaa nttgntnaaa ngggggggac 420
 ccccaa 426

<210> 487
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 487
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naaaatcctc	ttcntggggc	ccttaaaanc	ccctcccctt	ggaagataag	gcnnngggggn	180
aacataacan	ggggccgggg	gcccccccca	ctttatttgt	ccccaagcct	taaaattttt	240
ttttnggtaa	ttttttttna	aagnaaccaa	anaanggggg	gggggttttc	caccaaatgg	300
gtttgggncc	caanaaactn	gggggtcctt	ttggaaactt	cccctgggga	nccctcaagg	360
gngggaaccc	caactttggc	ccttaaagcc	cttncccca	aaaggtggct	tggggggaat	420
tggcaagggt	ggttggaag	tcaaccaca	cccttggacc	acaaggtact	aaataatttt	480
ggncctttaa	taaataagtn	aaaaactggg	atcatatgaa	aatttaatat	aag	533

<210> 488
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 488						
aggggaattac	aatatnctt	tcnggnaagt	ccggggccaga	gaaaagggna	cattgcctgg	60
gcttgccctt	ggaaanganc	cagggcaggg	gaaaagcttc	ttgggangga	aaacccttgc	120
cgtaacgnaa	ggcttgggan	ggaaacttga	aagaaagctt	gttggtcttt	ccgaagaaa	180
cttgaagctn	accggggggc	aaagcttgcc	aagtaagnaa	tatccccttg	ggatccaggg	240
gggggaagg	aaccacccat	ttgttcggga	ggaaagaata	aggggaaacc	aagcctttta	300
aacttgggga	ttgaaaccaa	gaaaaaatcc	ttgcccnaaa	ggggaagaag	ggaaagcttg	360
aagcttgggg	aaccgccttg	ggaaccgaag	aagttttgcc	attttaagtt	cccaagattt	420
accggggagg	gnccggggcg	ccggggctta	nncaagtggg	acccccaccg	gtt	473

<210> 489
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 489						
agcttaccct	tggcntttta	agnttcccct	aacctntatn	gngggaaccc	acctttattg	60
gantnnagta	gantctcct	tggtgtnttt	tgaaaacccc	anaaantttg	gnaaaacnct	120
tttttctttt	ttcctttggc	ttttaaacctt	tttggccccc	ccgggggttt	tcccaanana	180
acagnngngc	tttcaanccc	cgaanggnaa	tggnaatccn	naagtttcca	acaccacntt	240
gacttttccc	angggaaant	caaaagccca	agaagaangg	ggcccaangg	gacccaagct	300
tcgaggggac	accacaagcc	caggggggctt	cttttccttc	cgaaaacccc	caagggggact	360
tgggactttg	caaggggggt	tggggacaag	aaggttgggg	ggttgggggg	gggaaaaaagc	420
aaattgcctt	tgtcaaaccc	acgttggggg	ggaagcccca	ctcccatttc	ccaaggggtgc	480
attaaaagt	tgaaggggaa	acacctcctt	gc			512

<210> 490
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 490						
ttcntgaaat	tgangaaatg	ggcccccttcn	gggccttcgc	tngnangggg	gtntttttct	60
tgtntgcttt	ccggggccct	ntggngggng	gggtntttgc	caanncnttt	ttggaaaagg	120
gcccnaancc	ccaaccaag	ggggaacccn	aaanacgttt	ttccagnngc	nttnggaata	180
aancttgaaa	gggaagtttt	gggaaaacac	acttgggnan	ggaacaaagg	gcttcggggga	240
aagcntcaat	cagccccgca	ttcaaaacaa	gaagtggaaa	cttttcttgc	caaagaatgc	300
cggggaagtt	gggtttttca	agaagacatt	ttcaagaaaa	agtggaaagg	ggaagaagac	360
tcaaaggatt	tgactcatga	agggaccttg	aaaggggggtg	ggacatccca	aggaaaaagg	420
gcctcttgaa	aatttcccac	accccaagcc	gccttgttgc	ttgagggact	ccctccattg	480
ttgggccccca	gggtggccac	caaataaaaa	aatcctac			518

<210> 491
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 491						
acccatgcag	gagacctctc	caggtacaca	tatttccctgc	tactgaatgg	cttagactgg	60

gatttgcaag	gaactacgaa	gtccaagacc	tttgcccttc	ttttagaaga	aggcaccage	120
tggtttctcca	atgttgaagg	tcttctccag	agatgaactc	tgaaagccac	atgttgagat	180
ggccccatta	caggatggag	agcacctgaa	ccccaagtt	atggactaga	agaagacagt	240
tgccctggaa	aatcatctga	cccacattgg	actttatgtg	agggggaaat	aaacctttat	300
tatgttaagc	tacacaataa	taaataacaa	caataattgt	gttt		344

<210> 492
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 492						
tctccctgtc	cttttnagtn	cnccaaaact	ngngggaaaa	nctttnaaaa	atattttctcc	60
cngggnaaaa	tgngngggaa	aagtcnttg	cacntgnaat	gggccccctt	tgtangggaaa	120
aaannaaccc	caggggttcn	tgggagtcc	ncgaaccgtg	gggnncnttg	angggcncca	180
angggaagaa	aaaaccnccg	tggaaccct	taattaaagt	tttngggggg	tggaagaaga	240
agaaaaataa	aaaccttaaa	gtattgttaa	agcttcttgt	catttcaaag	gggtaaatac	300
caagttgtgg	gaaagggcaa	gaaaaaaaat	ggaccactc	tccccttgga	tatccattaa	360
aaaggatgtc	cctaaatcct	c				381

<210> 493
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 493						
tctgggggag	cctaccttgc	tttaacttcc	tnaacttaaa	ggtanaacaa	cncctntttt	60
tnccntgaaa	aacnanggc	tttttngaca	ttaaagnnc	ttttaaggag	gtatgcccaa	120
aaaaaggnaa	ncccaacccc	ttnggccaaa	aatnaaacn	tcaaagangg	ggcnggcnaa	180
antcngggaa	ncnttttccc	caggggggaa	gaagaatgaa	cnctttttta	ntggggcttt	240
ncagaaaaag	gtggnaaggt	ccacttggct	ttttggcttg	gnctttggga	atcaaaggaa	300
ccnagaaaaa	ggaaaattan	ttggataccc	aatgggggaa	ccttggaaga	atgccatttt	360
ggtttgggga	aggggttttc	ttgtcttcaa	acttgggtct	cttgacaaag	cctcttgact	420
tggaatggta	ttcccgtggc	ttgggccact	tatgccaaag	aaggcatcat	taaattttaag	480
acggggactt	ggcttgcacc	tttccctgaa	gaaagccaag	actttccact	tggtatgggaa	540
agaagcttga	aaaaaccacc	aaagcccagg	gaagtggcaa	gaaccacttg	gnccttaatt	600
tgcttncctg	aagaattncc	attattaata	aaaagaaaa			639

<210> 494
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 494						
ntagcctcag	gatggagggtg	gctgccagaa	agaccaagta	atgatcagaa	gcatggaact	60
ttcagacctt	ttcctcccaa	cttctggaga	ggngnagtg	ctggagactg	agttaataat	120
tgatcacgtc	tacatgatga	aacctctaag	tgacaaggat	cagagagctt	ccaagttggg	180
gaatacatcc	atgtgcaggg	aggggtggcct	accctaacc	catcgacag	gagcacccat	240
gttcaggaat	cttctggacc	tcaccttatg	tattaatctc	tctttatctg	gctgttctac	300
tatatctctc	atagtatcct	ttataataaa	caagcaaagt	tc		342

<210> 495
 <211> 613
 <212> DNA
 <213> Homo sapiens

<400> 495						
ntcntgaaac	tgaggttcgg	ggtngtnena	ttaattgggg	aaatgggann	ggggaaaaat	60
aaaaatggaa	ctgggaatgg	gngccgcttn	ctttttttta	agntttcaaa	aaatgaccat	120
ttnccaaaaa	caaagcccgg	gggccttgga	ncccccgggc	cttgggtttt	aaaaaatttt	180
aacaaacanc	aagttccttg	ggggaaagg	ngggggaacc	cacccaacct	ttttctttga	240
aataaacttg	ggggaagaat	gaaaaacaag	ggaaagcttc	ttattgaaca	ccactttgga	300

atcggaaata	ttgaacaaga	acacccggaa	aaaatcaacg	aacttcaagc	ccccttccaa	360
gccaccttct	tgccttggtt	gccccgccc	aatcacaagc	cggggaatgg	caagcttgaa	420
aaagaattcc	cttggggggc	cttgggntcc	caaaccggcc	cacttgtggg	actcttgaag	480
gccctcttgc	atttgtgggg	tgggggtctg	ccttgtggat	aatttttggg	tcattggggc	540
ttgggtcttg	gtccgggntt	ncccatnttg	gtcttggccc	aaggctctat	ggtnggcttn	600
aatccctttt	ggc					613

<210> 496
 <211> 611
 <212> DNA
 <213> Homo sapiens

<400> 496						
tcannaaact	ggagggagcg	gncacgncaa	ncganncccc	tgggggggct	ntttaaaaac	60
tttttcaggg	agcccttatg	aaacaaaacc	cgggggttgn	gttanggnnta	ctngggctng	120
ngtcccaccc	nactgggttc	ttttttttct	tnttggggcc	ccanaaatgg	aagggggatt	180
gccccaccaa	ngggaccccc	tttccaaacca	gaaccennng	gacttattat	taaaccctnt	240
tttttgcgcg	cnaccattga	atgggacttt	gnaaccgcga	aaagcttgaa	ggnccattcg	300
gataccgccc	taacccctta	cccccgggga	acaatctttc	attgggaaaa	acaagccggg	360
ntttttttcc	gactttttac	aaagccttcc	cggtngggct	tgggaaggcc	attcttaagc	420
ttggcaagaa	aaacaagcaa	gggaaaggat	gctttccggg	ggaagccctt	gatgccttga	480
aaaatgaaaa	aaattantct	taaaggctat	tcaaatatca	agccaagcca	tttttttcca	540
nggagaaang	gaaaaaaggc	cgaanaaaaa	aacaaatttt	ccaanaatgg	ggttgncttc	600
cttccaaccc	a					611

<210> 497
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 497						
gaacccaaaa	gaatgccag	aatgccaa	acagtgaaca	gccatattga	aacgggcaat	60
actgatgtta	gctttaaaag	taaggagttc	agagtgtctc	gtgctgaaca	tctttcggtg	120
taattaagcc	ttcatattcc	tgaggaggag	ctactaagac	accctaccaa	gtcctgggct	180
gtgcctggag	gttagaaaac	gaaccacata	gtcctgtaat	gacagaaaaa	aattgaaaac	240
tgtattttta	aaatgatttc	tcaacaagac	cagccggcca	ctcaaccact	tcagtacctc	300
gtttctggat	gaagaccctg	agcaggggat	ttgcactaga	aaccgccttg	cagaagttgt	360
catcattggt	gatgggcagc	aggtctccgt	gcacatctgc	atagccaata	gttacatcac	420
tgttggagat	atggtg					436

<210> 498
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 498						
gttctgattg	atnccnaggc	tnttgaagta	naccccacca	tttaagccag	agagggagat	60
tnaagtggan	atngcngcca	cctattatnc	cnngatatat	ttggtatacn	aacnaagaaa	120
ctnaatnatn	aattngacna	tnaattttta	gggaaaagg	aaaagnaaac	nccagggggc	180
cgggtggcaa	tttgntttcc	nttcttagtc	ccttcaaaaa	agtagaaaat	agtgganatg	240
aagcagggtt	gatatgaatt	tggcttgctt	cccccccaaa	tcttaccttt	gcttgnaggt	300
nccataatcc	ccacatgtgg	ggggaggaag	cctttaggag	gtgatttaat	catgggggtg	360
gtacccgcgt	gctgtctcat	gataatgagt	gagttctcca	agaattaacg	cttttatagg	420
aacctttttc	cccttttact	tggcc				445

<210> 499
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 499						
gttcttccca	ttctggagta	anaggatggt	gcnttnnaag	ggtngtggga	agggnnncan	60

aancttncen	ggantaangg	cctaaggng	gcttngacc	aagggaccct	ccaagtcaag	120
gttcctttta	catcacatat	tgggaccccc	aacagctggg	cttccttcaag	gtgagacaag	180
acctgtgggt	tgaatccacc	atttaatggc	tgngtgatca	tgtgcaactt	actcaacctc	240
tcagagcctc	aagtttcttc	attaataaag	tggagataat	aatagaacac	acctt	295

<210> 500
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 500						
ggtttctctg	agttnggatt	ttgctgactg	cacactcacg	gtgctatcca	acatgancat	60
cttccctgca	gtttctacaa	tttggcagtt	ggatccacct	gaatcctttg	gcaaggccaa	120
acgtgggtgc	tnangaagaa	cacattgaag	tctctgtttt	ttaaataatca	ttatgacctt	180
g						181

<210> 501
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 501						
cagaaactga	gatgaaagct	gggggttgag	atggagtttg	tcattttntg	ancttaaann	60
naccngcntn	ataacaaaag	ccagcncacc	ccanacngga	gaatggaaa	ggaggaaaaa	120
tttgggtccc	gtcttttaca	agggntgntg	agttacttca	ccaatcctgg	aatgctgatc	180
ttttgggaac	ttgttaaaca	gtctttccac	cccccttggt	cgaagctttt	ggtgaagtgt	240
ttcanaaaact	gacgaaatgc	aggatcgttt	tccttacaca	cacaaatgcc	atggcaacag	300
caacttcgtg	acaacagcaa	agaaagccag	actgggaatt	tgccaaccca	gagtgggtgac	360
catctgtgag	ggcccaaaacc	cttcaaattg	tgccccgttc	taaagtgctt	atcttaaccc	420
angcttttgt	acatagcaaa	agcgacattt	aaagtgcacat	aagaatggg		469

<210> 502
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 502						
tttttttcca	attggggggg	gaccaaattt	tgnggggttna	aattcccaaa	tanggggtggc	60
cntttttttg	ccttggggaac	gacccatttg	gggggggaaan	ttaaaacccc	ccccttnttt	120
ggcnnenttg	tntgnaaaaag	naaattggcc	ccccggggcc	ctttttttnc	ccctttgggc	180
caaaggggaa	ttttttaaac	cctttaaaaa	attgggtntt	ggccttgggg	gaacctttgg	240
cccaagaatg	ggcccaaaaa	agnggggnacc	cccaataact	nttanccccc	tnntttggcct	300
tggttcaagc	ncccaaaaag	naaaanaaga	ccctggngtc	nntttggggg	aggtggggng	360
gaaacccaaa	atcccatttn	gggggntttt	ttttaaacct			400

<210> 503
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 503						
ttgggggggg	tttcccccaa	acaaaaattt	tcccgccttt	tctttcagtt	ggannggtgg	60
ggagcccena	atggaaactta	aaaatttctt	gttggggggg	tggggaggaa	gaataaaaaa	120
tgcccccttt	nttngggggc	cttggacccc	ttattttggc	cccttgccca	ttgcttgggc	180
ccttg						185